

Raw Material and Energy Powder Surcharges 2025

USD/LB (applicable at time of shipment)



If an alloy you purchase is not listed, call Carpenter within the U.S. at 800-654-6543. Outside the U.S., call 1-610-208-2000, press 2 for Customer Service.

****All grades affected by October RMS adjustment are indicated in Red**

12/1/2025

Chrome-based (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt® NiCr49Nb1	5.75	5.50	5.46	6.14	6.10	6.19	6.26	6.12	6.48	6.36	6.04	5.82
UltraFine® 17Cr-4Ni MA 3X	3.49	3.30	3.35	3.88	3.94	3.97	4.04	4.07	3.92	3.91	3.83	3.75
CarTech UltraFine® 316 MA	6.82	6.53	6.48	7.06	7.01	7.13	7.33	7.29	7.73	7.68	7.34	6.93
CarTech UltraFine® 420 MA	2.03	1.83	1.84	2.27	2.43	2.43	2.46	2.43	2.33	2.33	2.23	2.20

Cobalt-based (powder products)

CarTech Micro-Melt® 1	5.12	4.58	4.45	8.02	11.05	10.94	10.43	10.09	11.39	14.84	18.73	20.71
CarTech Micro-Melt® 12	4.37	3.75	3.61	7.63	10.94	10.82	10.23	9.88	10.77	13.40	17.33	19.44
CarTech Micro-Melt® 188	6.80	6.36	6.25	9.17	11.58	11.54	11.14	10.81	12.56	16.35	19.75	21.36
CarTech Micro-Melt® 188B	6.80	6.36	6.25	9.17	11.58	11.54	11.14	10.81	12.56	16.35	19.75	21.36
CarTech Micro-Melt® 1B	5.17	4.59	4.46	8.27	11.50	11.39	10.83	10.47	11.77	15.24	19.33	21.43
CarTech Micro-Melt® 21	3.30	2.63	2.47	6.70	9.94	9.84	9.30	9.00	8.99	9.37	12.56	14.42
CarTech Micro-Melt® 50Nb	3.22	2.59	2.44	6.37	9.33	9.24	8.72	8.42	8.42	8.75	11.64	13.37
CarTech Micro-Melt® 6	2.09	2.01	2.01	4.44	6.97	6.87	6.41	6.14	6.47	7.72	10.38	11.93
CarTech Micro-Melt® 6LF	3.02	2.36	2.20	6.64	10.16	10.02	9.35	8.96	9.28	10.70	14.48	16.71
CarTech Micro-Melt® 9810	3.11	2.46	2.31	6.68	10.15	10.02	9.35	8.97	9.33	10.80	14.55	16.75
CarTech Micro-Melt® A4783	3.78	3.25	3.12	6.69	9.41	9.33	8.80	8.46	8.96	10.20	13.18	14.90
CarTech Micro-Melt® BioDur® CCM®	9.13	8.54	8.38	12.74	15.90	15.78	15.19	14.84	14.88	15.29	18.80	20.79
CarTech Micro-Melt® CCM	2.50	2.35	2.32	4.59	9.85	6.78	9.21	8.93	8.91	9.30	12.49	14.34
CarTech Micro-Melt® CCM GADS	2.50	2.35	2.32	4.59	6.84	6.78	6.46	6.29	6.30	6.58	8.69	9.88
CarTech Micro-Melt® CCM PLUS®	2.50	2.35	2.32	4.59	6.84	6.78	6.46	6.29	6.30	6.58	8.69	9.88
CarTech Micro-Melt® F	6.43	6.01	5.91	8.56	10.66	10.63	10.29	9.99	11.48	14.67	17.56	18.93
CarTech Micro-Melt® F75	3.25	2.55	2.38	6.79	10.19	10.07	9.51	9.21	9.18	9.58	12.93	14.88
CarTech Micro-Melt® G155	7.73	7.00	6.78	10.60	13.64	13.65	13.56	13.55	14.12	14.68	17.72	18.85
CarTech Micro-Melt® G185	4.42	3.83	3.69	7.67	10.83	10.72	10.13	9.76	10.56	12.73	16.38	18.40
CarTech Micro-Melt® G190	7.97	7.29	7.09	10.34	12.90	12.94	12.96	13.00	13.56	14.07	16.58	17.37
CarTech Micro-Melt® G195	3.94	3.51	3.41	6.27	8.17	8.14	7.78	7.48	7.91	7.84	9.68	10.84
CarTech Micro-Melt® HS31	4.42	3.83	3.69	7.65	10.80	10.70	10.11	9.74	10.54	12.70	16.35	18.37
CarTech Micro-Melt® Merl72	6.29	5.92	5.80	9.33	12.21	12.26	11.86	11.89	13.00	15.48	18.80	20.54
CarTech Micro-Melt® Mo1	5.30	4.71	4.58	8.21	11.26	11.17	10.70	10.40	11.53	14.46	18.20	20.07
CarTech Micro-Melt® P1316	4.29	3.69	3.55	7.58	10.78	10.67	10.07	9.69	10.44	12.48	16.14	18.18
CarTech Micro-Melt® P1318	4.29	3.69	3.55	7.58	10.78	10.67	10.07	9.69	10.44	12.48	16.14	18.18
CarTech Micro-Melt® P694	7.10	6.58	6.46	9.90	12.97	12.87	12.38	12.03	14.10	19.09	23.47	25.51
CarTech Micro-Melt® R31233	3.08	2.56	2.40	6.19	9.16	9.07	8.55	8.26	8.60	9.45	12.62	14.42
CarTech Micro-Melt® TDCA	3.93	3.50	3.41	6.18	8.00	7.97	7.63	7.35	7.78	7.70	9.45	10.57
CarTech Micro-Melt® WearCorr™	4.03	3.43	3.28	7.05	9.93	9.85	9.38	9.10	9.38	10.20	13.16	14.82

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CarTech UltraFine CCM®	3.24	2.56	2.40	6.61	9.85	9.75	9.21	8.93	8.91	9.30	12.49	14.34
CarTech UltraFine® CCM PLUS®	3.24	2.56	2.40	6.61	9.85	9.75	9.21	8.93	8.91	9.30	12.49	14.34
CarTech UltraFine® CoCr	3.28	2.57	2.40	6.89	10.35	10.24	9.66	9.35	9.32	9.74	13.15	15.15
CarTech UltraFine® F-75HP	3.29	2.59	2.41	6.82	10.22	10.10	9.54	9.24	9.21	9.62	12.96	14.91
CarTech UltraFine® H25	6.05	5.51	5.37	9.13	12.34	12.24	11.68	11.30	12.97	16.99	21.26	23.39
Micro-Melt® Maraging 509B	5.82	5.41	5.28	9.16	12.32	12.38	11.93	12.00	12.84	14.85	18.27	20.14
CarTech Micro-Melt® CTS	1.95	1.28	1.13	5.64	9.09	8.95	8.27	7.91	7.89	8.10	11.53	13.69
Micro-Melt Biodur CCM® LS	2.37	2.23	2.20	4.59	6.99	6.92	6.56	6.37	6.36	6.65	8.90	10.19
Micro-Melt CCM® A764 Mod	3.15	2.44	2.27	6.76	10.23	10.11	9.52	9.21	9.17	9.58	13.00	15.01
CarTech Micro-Melt® CoWCr	2.01	1.28	1.10	6.21	10.17	10.01	9.22	8.79	8.65	9.07	13.04	15.53
CarTech UltraFine® FeCo50	0.69	0.27	0.17	3.44	6.02	5.90	5.35	5.08	5.01	5.30	7.91	9.60
CarTech Micro-Melt® CCM MC	1.77	1.72	1.71	3.84	6.13	6.05	5.71	5.57	5.60	5.91	8.21	9.45
Cobalt/Nickel-based (powder products)												
CarTech UltraFine® MP35N®	5.81	5.41	5.29	7.68	9.28	9.31	9.16	9.03	9.53	9.73	11.34	12.06
Copper-based (powder products)												
CarTech Micro-Melt® C18200	4.51	4.70	5.12	5.62	5.25	5.22	5.50	6.27	4.93	5.13	5.74	5.74
CarTech Micro-Melt® CuNiSiCr	4.69	4.85	5.22	5.71	5.34	5.33	5.59	6.26	5.13	5.29	5.80	5.77
CarTech Micro-Melt® G72	5.59	5.68	5.91	6.37	5.97	6.01	6.21	6.57	6.15	6.18	6.31	6.18
CarTech UltraFine® CuNiSnP	5.77	6.00	6.50	7.06	6.65	6.62	6.83	7.52	6.57	6.78	7.37	7.41
CarTech UltraFine® C621	5.24	5.44	5.87	6.38	6.00	5.98	6.20	6.86	5.88	6.06	6.59	6.60
CarTech UltraFine® Cu15SnP	5.71	5.95	6.48	7.05	6.64	6.60	6.84	7.61	6.47	6.70	7.37	7.42
CarTech UltraFine® Cu-Electr.	4.50	4.68	5.11	5.60	5.23	5.20	5.48	6.25	4.91	5.11	5.73	5.73
CarTech UltraFine® Copper-MIM	4.52	4.71	5.13	5.63	5.25	5.23	5.51	6.28	4.93	5.13	5.76	5.76
UltraFine® C18000	4.55	4.72	5.13	5.62	5.25	5.23	5.50	6.24	4.96	5.15	5.74	5.73
Iron-based (powder products)												
CarTech Micro-Melt® 5506	3.57	3.42	3.41	3.70	3.69	3.74	3.86	3.86	4.08	4.08	3.89	3.67
CarTech Micro-Melt® 654SMO	3.54	3.55	3.54	3.61	3.56	3.62	3.77	3.84	4.16	4.19	4.06	3.78
CarTech Micro-Melt® 904L	3.48	3.43	3.43	3.55	3.42	3.48	3.59	3.62	3.94	3.94	3.78	3.55
CarTech Micro-Melt® BS2766	0.92	0.92	0.95	1.12	1.31	1.30	1.31	1.33	1.45	1.60	1.77	1.83
CarTech Micro-Melt® Fe LC	0.18	0.18	0.22	0.23	0.22	0.20	0.20	0.20	0.23	0.24	0.18	0.21
CarTech Micro-Melt® Fe Powder	0.18	0.18	0.22	0.23	0.22	0.21	0.21	0.21	0.23	0.25	0.18	0.21
CarTech Micro-Melt® LAW 100X	0.18	0.18	0.22	0.23	0.22	0.21	0.21	0.21	0.23	0.24	0.18	0.21
CarTech Micro-Melt® 28	3.72	3.66	3.66	3.81	3.66	3.73	3.83	3.82	4.19	4.16	3.98	3.75
CarTech Micro-Melt NCORR®	2.96	2.82	2.82	3.14	3.15	3.19	3.26	3.22	3.36	3.35	3.17	3.04
CarTech Micro-Melt® FeCoTa	19.39	20.73	20.69	24.53	28.32	30.05	30.92	35.50	36.36	36.50	38.08	38.87
CarTech Micro-Melt® FeCoCrNi	3.28	2.94	2.87	4.96	6.29	6.27	6.02	5.79	5.96	6.05	7.27	8.07
CarTech Micro-Melt® FeCoTaMo	15.60	16.13	16.01	19.89	23.45	24.54	25.09	27.94	28.77	29.11	31.32	32.19
CarTech Micro-Melt® AFA25	3.89	3.80	3.80	4.05	3.98	4.08	4.22	4.14	4.58	4.70	4.89	4.73
CarTech Micro-Melt Ferrium® M4	19.95	19.39	19.15	18.62	18.32	18.75	20.40	21.35	23.35	24.02	23.62	21.02
CarTech Micro-Melt® 2507 SDplx	7.52	7.35	7.29	7.82	7.53	7.68	7.82	7.68	8.42	8.28	7.79	7.38

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CarTech Micro-Melt® VeKo25Cr	1.89	1.85	1.87	1.95	1.99	1.99	2.04	2.10	2.13	2.15	2.17	2.07
CarTech Micro-Melt® 1.4313	1.10	1.04	1.06	1.20	1.21	1.22	1.24	1.22	1.27	1.27	1.18	1.15
Micro-Melt Aermet-for-tooling®	1.52	1.39	1.37	2.31	2.92	2.90	2.79	2.70	2.83	2.89	3.46	3.84
CarTech Micro-Melt® A-286	3.19	3.10	3.09	3.35	3.26	3.30	3.35	3.28	3.53	3.48	3.26	3.13
Iron/Cobalt-based (powder products)												
CarTech Micro-Melt Hiperco® 50	0.93	0.51	0.41	3.63	6.14	6.02	5.49	5.21	5.14	5.41	7.97	9.61
CarTech UltraFine Hiperco® 50	0.92	0.51	0.41	3.60	6.09	5.97	5.44	5.17	5.09	5.37	7.89	9.52
Micro-Melt Hiperco® 50 HS	1.43	1.00	0.90	4.17	6.70	6.58	6.03	5.74	5.66	5.91	8.46	10.10
Iron/Nickel (powder products)												
CarTech UltraFine® GHS 4	5.06	4.98	4.96	5.15	4.95	5.04	5.19	5.17	5.76	5.85	5.62	5.30
Nickel-based (powder products)												
CarTech IN100	8.23	8.01	7.94	8.38	8.14	8.30	8.57	8.54	9.32	9.26	8.81	8.24
CarTech Micro-Melt® 230	9.14	8.96	8.91	9.73	10.21	10.30	10.34	10.15	12.25	15.67	17.01	17.28
CarTech Micro-Melt® 247LC	9.54	9.51	9.46	10.66	11.34	11.57	11.64	11.79	13.69	15.83	16.94	17.25
CarTech Micro-Melt® 247LC Mod 1	9.40	9.40	9.35	10.50	11.16	11.39	11.46	11.63	13.54	15.69	16.82	17.13
CarTech Micro-Melt® 282	7.51	7.25	7.17	8.24	8.52	8.63	8.75	8.63	9.37	9.32	9.46	9.31
CarTech Micro-Melt® 50/50	5.93	5.70	5.67	6.31	6.21	6.31	6.37	6.22	6.63	6.50	6.12	5.88
CarTech Micro-Melt® 600	6.72	6.61	6.56	7.06	6.73	6.85	6.93	6.73	7.46	7.28	6.78	6.48
CarTech Micro-Melt® 622	9.25	9.04	8.97	9.37	9.19	9.36	9.67	9.66	10.84	11.55	11.41	10.85
CarTech Micro-Melt® 622 AWS	9.33	9.11	9.04	9.45	9.28	9.45	9.76	9.75	10.92	11.64	11.49	10.94
CarTech Micro-Melt® 625	7.41	7.39	7.34	7.71	7.58	7.77	8.07	8.00	8.59	8.54	8.52	8.00
CarTech Micro-Melt® 625+W	8.37	8.18	8.12	8.56	8.29	8.51	8.82	8.70	9.39	9.31	9.28	8.73
CarTech Micro-Melt® 625AM	8.93	8.74	8.68	9.12	8.82	9.06	9.40	9.28	10.04	9.95	9.89	9.29
CarTech Micro-Melt® 625Ar	8.93	8.74	8.68	9.12	8.82	9.06	9.40	9.28	10.04	9.95	9.89	9.29
CarTech Micro-Melt® 625LF	8.90	8.71	8.64	9.09	8.79	9.02	9.36	9.24	10.00	9.91	9.85	9.25
CarTech Micro-Melt® 625M	9.06	8.87	8.81	9.24	8.95	9.21	9.57	9.44	10.16	10.07	10.18	9.57
CarTech Micro-Melt® 713C	7.54	7.41	7.37	7.81	7.45	7.60	7.77	7.64	8.60	8.32	7.82	7.40
CarTech Micro-Melt® 718	6.70	6.56	6.53	6.92	6.70	6.91	7.16	6.98	7.46	7.34	7.57	7.19
CarTech Micro-Melt® 80/20	7.11	6.97	6.93	7.47	7.13	7.27	7.35	7.14	7.89	7.70	7.18	6.86
CarTech Micro-Melt® 825	5.06	5.01	4.99	5.24	4.99	5.08	5.19	5.14	5.65	5.57	5.29	5.01
CarTech Micro-Melt® A4777	6.95	6.87	6.82	7.28	6.88	7.02	7.09	6.88	7.71	7.51	6.98	6.66
CarTech Micro-Melt® A4778	7.46	7.40	7.34	7.79	7.32	7.47	7.55	7.32	8.26	8.04	7.46	7.10
CarTech Micro-Melt® A4779	7.62	7.55	7.50	7.96	7.47	7.63	7.71	7.47	8.43	8.21	7.61	7.25
CarTech Micro-Melt® A4782	6.48	6.35	6.30	6.81	6.51	6.64	6.70	6.52	7.20	7.03	6.56	6.27
CarTech Micro-Melt® B27	7.67	7.61	7.55	8.01	7.53	7.69	7.76	7.53	8.49	8.27	7.66	7.30
CarTech Micro-Melt® B40	7.06	6.97	6.92	7.40	7.01	7.15	7.22	7.01	7.83	7.63	7.09	6.77
CarTech Micro-Melt® B56	6.66	6.56	6.51	6.99	6.64	6.77	6.84	6.65	7.39	7.21	6.71	6.41
CarTech Micro-Melt® B60+	6.51	6.40	6.35	6.83	6.50	6.63	6.70	6.51	7.22	7.05	6.56	6.27
CarTech Micro-Melt® C-276	10.07	9.86	9.79	10.12	9.93	10.11	10.48	10.49	11.87	12.79	12.71	12.08
CarTech Micro-Melt® C-901	8.47	8.28	8.21	8.59	8.30	8.46	8.76	8.73	9.60	9.54	9.07	8.46

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CarTech Micro-Melt® G142	6.63	6.51	6.46	6.96	6.64	6.77	6.84	6.65	7.36	7.19	6.70	6.40
CarTech Micro-Melt® G173	7.67	7.61	7.55	8.85	9.32	9.56	9.62	9.81	10.50	10.40	10.53	10.60
CarTech Micro-Melt® G183	7.54	7.33	7.26	8.27	8.60	8.70	8.73	8.53	9.61	10.56	11.05	11.12
CarTech Micro-Melt® G186	6.51	6.26	6.18	7.53	8.03	8.12	8.10	7.91	8.64	8.50	8.90	9.04
CarTech Micro-Melt® G192	6.45	6.32	6.29	6.80	6.51	6.63	6.72	6.56	7.47	7.05	6.60	6.33
CarTech Micro-Melt® G202	6.68	6.55	6.51	6.91	6.69	6.89	7.14	6.97	7.44	7.33	7.55	7.17
CarTech Micro-Melt® G207	7.13	7.01	6.97	7.49	7.12	7.26	7.33	7.12	7.91	7.72	7.18	6.86
CarTech Micro-Melt® G81	6.48	6.35	6.30	6.81	6.51	6.64	6.70	6.52	7.20	7.03	6.56	6.27
CarTech Micro-Melt® GHS-4	5.39	5.27	5.24	5.52	5.35	5.44	5.60	5.56	6.14	6.22	5.95	5.62
CarTech Micro-Melt® HX	6.90	6.72	6.67	7.03	6.85	6.97	7.20	7.17	7.88	7.99	7.68	7.22
CarTech Micro-Melt® HyMu 800	7.67	7.58	7.53	7.89	7.46	7.61	7.78	7.64	8.57	8.42	7.88	7.43
CarTech Micro-Melt® IN738	7.55	7.42	7.36	8.50	8.92	9.09	9.14	9.14	10.17	10.68	11.07	11.18
CarTech Micro-Melt® MAR-M-247	9.80	9.77	9.71	10.98	11.74	11.98	12.05	12.24	14.19	16.46	17.67	18.03
CarTech Micro-Melt® N5A	5.47	5.23	5.17	6.59	7.14	7.20	7.12	6.90	7.63	7.35	7.78	8.07
CarTech Micro-Melt® N5A/N5B	5.37	5.13	5.07	6.49	7.04	7.10	7.01	6.80	7.48	7.24	7.68	7.97
CarTech Micro-Melt® N5B	5.16	4.92	4.85	6.25	6.82	6.89	6.79	6.58	7.16	6.99	7.45	7.74
CarTech Micro-Melt® NFM 24	5.76	5.51	5.43	6.91	7.53	7.60	7.51	7.29	7.86	7.84	8.35	8.63
CarTech Micro-Melt® NiCoCrMo	6.59	6.31	6.22	7.70	8.31	8.39	8.37	8.18	8.88	8.79	9.30	9.46
CarTech Micro-Melt® NiCrMoAl	7.65	7.53	7.49	7.90	7.52	7.67	7.86	7.74	8.76	8.47	7.97	7.52
CarTech Micro-Melt® NiCrMoB	9.38	9.19	9.11	9.46	9.10	9.29	9.63	9.61	10.62	10.57	10.04	9.34
CarTech Micro-Melt® TDCA/TDCB	4.08	3.69	3.59	6.09	7.68	7.67	7.37	7.10	7.53	7.45	8.96	9.91
CarTech Micro-Melt® TDCB	4.38	4.05	3.97	5.94	7.06	7.08	6.87	6.64	7.05	6.99	8.02	8.66
CarTech UltraFine® 713C	7.53	7.40	7.35	7.79	7.43	7.58	7.75	7.62	8.59	8.30	7.81	7.38
CarTech UltraFine® 718	6.70	6.56	6.53	6.92	6.70	6.91	7.16	6.98	7.45	7.34	7.56	7.18
CarTech UltraFine® Alloy X	6.96	6.77	6.72	7.19	7.07	7.20	7.41	7.37	8.10	8.21	7.96	7.55
CarTech UltraFine® HX	7.08	6.89	6.84	7.31	7.19	7.32	7.53	7.49	8.22	8.33	8.08	7.67
CarTech UltraFine® K500	10.78	10.74	10.70	11.02	10.68	11.38	12.23	11.68	11.81	11.59	14.73	14.06
CarTech UltraFine® NiCoCrAlY	4.26	4.03	3.97	5.71	6.65	6.68	6.50	6.28	7.05	6.75	7.67	8.28
CarTech Micro-Melt® BRB	6.40	6.21	6.15	7.23	7.40	7.50	7.47	7.24	8.01	7.80	7.84	7.88
CarTech Micro-Melt® G204	7.00	6.91	6.86	7.32	6.92	7.06	7.13	6.92	7.75	7.56	7.02	6.70
CarTech Micro-Melt® Waspaloy	6.72	6.46	6.38	7.67	8.12	8.20	8.20	8.01	8.65	8.59	8.89	8.95
CarTech Micro-Melt® A914	6.15	5.92	5.83	7.49	8.15	8.23	8.07	7.78	8.49	8.43	9.03	9.42
CarTech Micro-Melt® 5 Fe	4.14	3.74	3.63	6.47	8.32	8.30	7.91	7.59	7.92	8.05	9.85	11.01
CarTech Micro-Melt® 725	8.28	8.11	8.05	8.47	8.18	8.40	8.70	8.56	9.27	9.16	9.13	8.59
CarTech UltraFine® 625	8.93	8.74	8.68	9.12	8.82	9.06	9.40	9.28	10.04	9.95	9.89	9.29
CarTech UltraFine® Fe-50Ni	4.13	4.10	4.09	4.34	4.07	4.15	4.19	4.07	4.59	4.48	4.13	3.95
CarTech Micro-Melt® L1	9.12	8.93	8.87	9.32	9.14	9.36	9.68	9.55	10.58	11.24	11.53	11.06
CarTech Micro-Melt® Ni-24.5Cr	8.08	8.01	7.96	8.44	7.93	8.10	8.18	7.93	8.94	8.71	8.07	7.69
CarTech Micro-Melt® HX-1LC	7.08	6.88	6.83	7.32	7.24	7.37	7.57	7.53	8.27	8.44	8.25	7.86
CarTech Micro-Melt® R95	8.10	7.91	7.85	8.78	9.00	9.17	9.31	9.08	10.16	10.87	11.65	11.59

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CarTech Micro-Melt® R125-1	9.46	9.43	9.37	10.63	11.32	11.58	11.68	11.92	13.53	15.09	15.99	16.20
CarTech Micro-Melt® C263	6.63	6.31	6.21	7.88	8.68	8.75	8.70	8.51	9.10	9.12	9.78	10.03
CarTech Micro-Melt® 718 AM	6.66	6.52	6.49	6.89	6.67	6.87	7.11	6.94	7.41	7.30	7.50	7.11
CarTech Micro-Melt® 690	6.05	5.89	5.85	6.40	6.18	6.29	6.36	6.19	6.74	6.59	6.16	5.91
CarTech Micro-Melt® 82	7.28	7.14	7.10	7.63	7.32	7.50	7.64	7.40	8.06	7.89	7.68	7.34
Micro-Melt® STAL18SILAY	8.96	8.97	8.93	10.00	10.36	10.67	10.83	11.18	12.30	12.69	12.84	12.80
CarTech Micro-Melt® 738 LC	7.90	7.78	7.71	8.80	9.16	9.35	9.43	9.42	10.42	10.90	11.33	11.34
CarTech Micro-Melt® 263	7.18	6.84	6.71	8.36	9.16	9.20	9.15	8.87	9.34	9.38	10.07	10.14
CarTech Micro-Melt® HX LC	7.08	6.89	6.84	7.31	7.19	7.32	7.53	7.49	8.22	8.33	8.08	7.67
CarTech Micro-Melt® HX-4	7.05	6.86	6.81	7.27	7.16	7.29	7.50	7.45	8.19	8.34	8.11	7.71
CarTech Micro-Melt® R77	6.59	6.34	6.26	7.62	8.12	8.20	8.19	7.99	8.72	8.59	8.98	9.09
CarTech Micro-Melt® 109 Mod	6.47	6.23	6.15	7.90	8.84	8.95	8.86	8.74	9.42	9.86	10.85	11.29
CarTech Micro-Melt® Ni60H	6.56	6.44	6.40	6.88	6.56	6.69	6.75	6.56	7.28	7.10	6.61	6.32
CarTech Micro-Melt® 625F-1	8.64	8.45	8.39	8.82	8.54	8.77	9.10	8.99	9.72	9.64	9.60	9.02
CarTech Micro-Melt® 792	9.05	9.03	8.97	10.20	10.78	11.05	11.17	11.45	12.68	13.54	14.07	14.15
CarTech Micro-Melt® NiCrAlY	6.29	6.17	6.15	6.65	6.35	6.47	6.57	6.41	7.36	6.89	6.46	6.20
CarTech Micro-Melt® 720	6.59	6.33	6.25	7.63	8.21	8.28	8.24	8.02	8.79	9.10	9.67	9.85
CarTech UltraFine® Ni20Cr	7.27	7.13	7.08	7.64	7.29	7.43	7.51	7.29	8.06	7.87	7.33	7.01
CarTech UltraFine® NiCrMo	5.64	5.48	5.45	5.88	5.80	5.90	6.05	6.02	6.52	6.49	6.25	5.94
CarTech UltraFine® 90	5.79	5.52	5.44	7.06	7.75	7.81	7.68	7.41	7.96	7.88	8.44	8.78
CarTech UltraFine® M400	6.88	6.89	6.98	7.46	7.00	7.11	7.25	7.32	7.59	7.49	7.25	6.99
CarTech UltraFine® R77	6.57	6.32	6.24	7.59	8.09	8.18	8.16	7.97	8.69	8.56	8.96	9.07
UltraFine® Maraging 247	9.54	9.50	9.45	10.68	11.41	11.63	11.69	11.82	13.76	16.03	17.24	17.59
CarTech UltraFine® HyMu 800	7.67	7.58	7.53	7.89	7.46	7.62	7.78	7.64	8.57	8.42	7.88	7.43
CarTech Micro-Melt® 75	6.64	6.58	6.54	6.94	6.55	6.68	6.75	6.57	7.35	7.17	6.71	6.39
Tool Steel (powder products)												
Alloy Description												
CarTech Micro-Melt Custom 470®	1.42	1.40	1.42	1.48	1.42	1.43	1.46	1.45	1.58	1.58	1.48	1.42
CarTech Micro-Melt® 100	1.80	1.81	1.83	1.86	1.88	1.90	1.98	2.03	2.21	2.39	2.42	2.31
CarTech Micro-Melt® 100Cr6	0.19	0.19	0.23	0.24	0.23	0.22	0.22	0.22	0.25	0.26	0.20	0.23
CarTech Micro-Melt® 1045	0.18	0.18	0.22	0.23	0.22	0.21	0.21	0.21	0.23	0.24	0.18	0.21
CarTech Micro-Melt® 15Cr-5Ni	1.20	1.15	1.19	1.36	1.36	1.36	1.38	1.39	1.37	1.38	1.31	1.30
CarTech Micro-Melt® 16MnCr5	0.19	0.19	0.23	0.24	0.23	0.22	0.22	0.22	0.24	0.25	0.20	0.22
CarTech Micro-Melt® 17Cr-4Ni	0.83	0.83	0.88	0.94	0.91	0.91	0.93	0.97	0.95	0.96	0.95	0.95
CarTech Micro-Melt® 20-4	1.13	1.14	1.16	1.26	1.33	1.32	1.30	1.33	1.39	1.53	1.60	1.59
CarTech Micro-Melt®2205 Duplex	1.50	1.51	1.52	1.55	1.55	1.56	1.64	1.69	1.80	1.83	1.79	1.67
CarTech Micro-Melt®2505 SDplx	1.56	1.57	1.59	1.63	1.63	1.64	1.71	1.78	1.86	1.89	1.87	1.76
CarTech Micro-Melt® 2205M	1.52	1.52	1.54	1.56	1.57	1.58	1.65	1.71	1.81	1.84	1.81	1.69
CarTech Micro-Melt® 23	1.44	1.45	1.47	1.52	1.60	1.60	1.62	1.63	4.03	5.41	5.90	5.90
CarTech Micro-Melt® 2357	1.89	1.85	1.87	1.93	1.88	1.90	1.96	1.99	2.16	2.17	2.08	1.96

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CarTech Micro-Melt® 23S	2.90	2.93	2.94	3.00	3.18	3.19	3.26	3.30	4.03	5.41	5.90	5.90
CarTech Micro-Melt® 25-10-10	4.25	4.08	4.07	4.26	4.40	4.45	4.65	4.74	5.27	6.12	6.30	6.06
CarTech Micro-Melt® 253	1.09	1.10	1.12	1.18	1.17	1.18	1.19	1.19	1.26	1.26	1.21	1.18
CarTech Micro-Melt® 254SMO	2.97	2.99	2.99	3.05	3.00	3.05	3.18	3.24	3.50	3.53	3.42	3.19
CarTech Micro-Melt® 25-7-4	1.94	1.90	1.92	1.95	1.92	1.95	2.04	2.10	2.25	2.28	2.24	2.08
CarTech Micro-Melt® 2739	3.30	3.36	3.37	3.76	4.34	4.32	4.27	4.23	5.26	7.47	8.59	8.95
CarTech Micro-Melt® 2888	2.23	2.13	2.13	2.81	3.49	3.47	3.40	3.36	4.02	5.48	6.55	6.98
CarTech Micro-Melt® 2906	1.56	1.53	1.55	1.59	1.58	1.59	1.65	1.69	1.79	1.81	1.78	1.68
CarTech Micro-Melt® 30	2.89	2.92	2.93	3.27	3.74	3.74	3.75	3.76	4.48	5.89	6.68	6.88
CarTech Micro-Melt® 304	1.06	1.07	1.10	1.16	1.14	1.15	1.16	1.16	1.23	1.23	1.18	1.15
CarTech Micro-Melt® 304B4	1.96	1.87	1.88	2.12	2.11	2.13	2.15	2.10	2.21	2.19	2.03	1.98
CarTech Micro-Melt® 304B6	1.96	1.87	1.89	2.12	2.11	2.13	2.15	2.10	2.21	2.19	2.04	1.98
CarTech Micro-Melt® 304B7	1.99	1.90	1.91	2.15	2.14	2.16	2.18	2.14	2.25	2.22	2.07	2.01
CarTech Micro-Melt® 304L	1.63	1.54	1.56	1.78	1.78	1.79	1.81	1.78	1.85	1.83	1.70	1.67
CarTech Micro-Melt® 308L Mod	1.18	1.17	1.19	1.27	1.23	1.24	1.25	1.25	1.34	1.33	1.27	1.24
CarTech Micro-Melt® 309L	2.20	2.09	2.10	2.36	2.37	2.39	2.43	2.39	2.49	2.47	2.32	2.24
CarTech Micro-Melt® 30LS	3.41	3.30	3.29	3.90	4.51	4.51	4.50	4.49	5.30	6.94	7.97	8.28
CarTech Micro-Melt® 30Nb	3.33	3.22	3.21	3.84	4.47	4.46	4.44	4.42	5.22	6.85	7.88	8.21
CarTech Micro-Melt® 312	1.22	1.20	1.22	1.30	1.28	1.29	1.30	1.31	1.38	1.38	1.35	1.31
CarTech Micro-Melt® 316L	1.53	1.54	1.56	1.60	1.58	1.60	1.65	1.67	1.80	1.81	1.74	1.65
CarTech Micro-Melt® 316L AWS	1.69	1.66	1.68	1.74	1.69	1.71	1.76	1.78	1.93	1.94	1.86	1.76
CarTech Micro-Melt® 316L+S	1.69	1.66	1.68	1.74	1.69	1.71	1.76	1.78	1.93	1.94	1.86	1.76
CarTech Micro-Melt® 316LHSi	2.45	2.35	2.35	2.56	2.54	2.57	2.65	2.64	2.80	2.80	2.65	2.51
CarTech Micro-Melt® 316LN	2.38	2.29	2.30	2.50	2.47	2.50	2.57	2.56	2.72	2.72	2.57	2.44
CarTech Micro-Melt® 316Lx1.5	2.34	2.30	2.31	2.39	2.32	2.36	2.43	2.46	2.67	2.67	2.58	2.43
CarTech Micro-Melt® 347H	1.21	1.20	1.22	1.30	1.26	1.26	1.28	1.27	1.37	1.36	1.29	1.26
CarTech Micro-Melt® 410	0.26	0.25	0.29	0.32	0.32	0.32	0.31	0.30	0.32	0.35	0.27	0.29
CarTech Micro-Melt® 410L	0.64	0.59	0.63	0.74	0.77	0.76	0.77	0.76	0.76	0.77	0.70	0.71
CarTech Micro-Melt® 4112	0.61	0.60	0.63	0.65	0.65	0.65	0.67	0.71	0.73	0.75	0.74	0.71
CarTech Micro-Melt® 4130	0.30	0.29	0.33	0.34	0.33	0.32	0.33	0.33	0.37	0.39	0.32	0.33
CarTech Micro-Melt® 4140	0.22	0.21	0.25	0.27	0.26	0.25	0.25	0.25	0.27	0.29	0.23	0.25
CarTech Micro-Melt® 416R	0.41	0.40	0.44	0.46	0.46	0.45	0.46	0.48	0.49	0.51	0.48	0.48
CarTech Micro-Melt® 420	0.68	0.63	0.66	0.78	0.82	0.81	0.82	0.81	0.80	0.81	0.74	0.75
CarTech Micro-Melt® 420 LCM	0.69	0.63	0.66	0.79	0.82	0.82	0.82	0.81	0.81	0.82	0.74	0.75
CarTech Micro-Melt® 420-CW	1.46	1.47	1.49	1.64	1.67	1.66	1.61	1.63	1.64	1.62	1.60	1.56
CarTech Micro-Melt® 420LC	0.68	0.63	0.66	0.78	0.82	0.81	0.82	0.81	0.80	0.81	0.74	0.75
CarTech Micro-Melt® 422	1.22	1.17	1.19	1.31	1.37	1.37	1.39	1.39	1.56	1.88	1.94	1.95
CarTech Micro-Melt® 431	0.95	0.88	0.90	1.06	1.10	1.09	1.11	1.09	1.09	1.10	1.01	1.01
CarTech Micro-Melt® 4340	0.33	0.33	0.37	0.39	0.37	0.36	0.36	0.36	0.40	0.41	0.34	0.35
CarTech Micro-Melt® 4370	1.52	1.44	1.46	1.67	1.68	1.69	1.70	1.67	1.73	1.72	1.60	1.56

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CarTech Micro-Melt® 440	1.20	1.18	1.20	1.30	1.33	1.31	1.30	1.31	1.31	1.30	1.29	1.27
CarTech Micro-Melt® 440C	0.94	0.87	0.90	1.05	1.09	1.09	1.11	1.11	1.10	1.11	1.04	1.03
CarTech Micro-Melt® 440-XH	1.09	1.02	1.04	1.19	1.24	1.23	1.26	1.26	1.26	1.27	1.20	1.17
CarTech Micro-Melt® 4848	2.76	2.64	2.64	2.96	2.94	2.97	3.00	2.93	3.10	3.05	2.86	2.77
CarTech Micro-Melt® 53	2.59	2.61	2.63	2.77	2.90	2.90	2.89	2.92	3.38	4.26	4.56	4.56
CarTech Micro-Melt® 5499	0.83	0.82	0.84	0.85	0.84	0.84	0.88	0.91	0.99	1.01	0.96	0.91
CarTech Micro-Melt® 60	3.72	3.75	3.75	4.20	4.77	4.77	4.77	4.79	5.56	7.02	7.89	8.07
CarTech Micro-Melt® 6126Ni-free	1.57	1.48	1.49	1.64	1.69	1.70	1.76	1.78	1.83	1.88	1.78	1.69
CarTech Micro-Melt® 7339	0.32	0.32	0.35	0.36	0.35	0.34	0.35	0.36	0.40	0.41	0.35	0.36
CarTech Micro-Melt® 736A	1.56	1.46	1.47	1.70	1.75	1.76	1.78	1.76	1.78	1.78	1.68	1.64
CarTech Micro-Melt® 80	5.11	4.93	4.90	6.06	7.22	7.20	7.10	7.01	8.35	11.21	13.14	13.83
CarTech Micro-Melt® 800	2.53	2.45	2.45	2.78	2.86	2.84	2.79	2.74	2.70	2.64	2.57	2.55
CarTech Micro-Melt® 9038	1.52	1.53	1.55	1.60	1.66	1.66	1.69	1.72	1.97	2.38	2.48	2.44
CarTech Micro-Melt® 9040	2.51	2.52	2.53	2.58	2.67	2.69	2.77	2.83	3.25	3.93	4.13	4.03
CarTech Micro-Melt® 9055	2.90	2.93	2.94	3.27	3.74	3.74	3.75	3.76	4.47	5.85	6.62	6.80
CarTech Micro-Melt® 9078	1.79	1.79	1.80	1.94	1.98	1.98	1.97	2.01	2.07	2.07	2.03	1.95
CarTech Micro-Melt® 9098	1.02	1.02	1.05	1.12	1.15	1.15	1.14	1.17	1.18	1.18	1.18	1.14
CarTech Micro-Melt® 9655	2.58	2.53	2.53	2.58	2.53	2.56	2.68	2.75	2.97	3.00	2.92	2.71
CarTech Micro-Melt® 9659	3.28	3.13	3.12	3.39	3.41	3.45	3.57	3.59	3.77	3.78	3.62	3.41
CarTech Micro-Melt® 9660	3.28	3.13	3.12	3.39	3.41	3.45	3.57	3.59	3.77	3.78	3.62	3.41
CarTech Micro-Melt® A11	1.54	1.54	1.56	1.72	1.74	1.73	1.68	1.70	1.72	1.70	1.66	1.61
CarTech Micro-Melt® A11HC	2.44	2.44	2.45	2.60	2.63	2.63	2.64	2.70	2.80	2.81	2.75	2.59
CarTech Micro-Melt® A11LVC	1.50	1.51	1.53	1.68	1.70	1.69	1.64	1.66	1.68	1.67	1.63	1.58
CarTech Micro-Melt® A11-VP	1.70	1.67	1.69	1.83	1.85	1.84	1.83	1.82	1.84	1.83	1.77	1.74
CarTech Micro-Melt® Aermet®100	1.58	1.44	1.43	2.38	3.01	3.00	2.89	2.80	2.93	3.00	3.58	3.97
CarTech Micro-Melt® AISI8740	0.30	0.30	0.33	0.35	0.34	0.33	0.33	0.33	0.37	0.38	0.32	0.33
CarTech Micro-Melt® AM400Plus	1.69	1.63	1.65	1.80	1.77	1.79	1.83	1.82	1.98	1.94	1.82	1.75
CarTech Micro-Melt® APM 2370	1.68	1.65	1.67	1.70	1.68	1.69	1.77	1.83	1.95	1.98	1.94	1.81
CarTech Micro-Melt® CD#1	0.75	0.75	0.78	0.81	0.81	0.80	0.82	0.84	0.89	0.91	0.86	0.83
CarTech Micro-Melt® D2	0.59	0.57	0.60	0.66	0.69	0.68	0.69	0.71	0.73	0.75	0.74	0.75
CarTech Micro-Melt® D7	0.95	0.96	0.98	1.06	1.08	1.07	1.06	1.08	1.10	1.11	1.08	1.05
CarTech Micro-Melt® Duplex 22	1.53	1.50	1.52	1.55	1.53	1.55	1.62	1.67	1.78	1.81	1.77	1.65
CarTech Micro-Melt® F22	0.53	0.51	0.55	0.58	0.57	0.56	0.58	0.59	0.64	0.66	0.59	0.59
CarTech Micro-Melt® FeSi	0.22	0.21	0.25	0.26	0.27	0.26	0.26	0.26	0.28	0.29	0.23	0.25
CarTech Micro-Melt® FeSi 600	0.22	0.22	0.25	0.27	0.27	0.26	0.26	0.26	0.28	0.29	0.24	0.25
CarTech Micro-Melt® Grade 92	0.82	0.81	0.84	0.87	0.92	0.91	0.92	0.93	1.15	1.60	1.75	1.80
CarTech Micro-Melt® H13	0.87	0.85	0.88	0.96	0.97	0.97	0.98	0.99	1.03	1.04	0.97	0.94
CarTech Micro-Melt® H163	2.93	2.95	2.97	3.04	3.22	3.23	3.29	3.32	4.02	5.33	5.79	5.79
CarTech Micro-Melt® HS-30	2.83	2.86	2.87	3.21	3.68	3.69	3.69	3.70	4.40	5.77	6.55	6.75
CarTech Micro-Melt® M300	3.54	3.41	3.39	4.06	4.42	4.44	4.45	4.41	4.70	4.76	5.08	5.18

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CarTech Micro-Melt® M4	2.84	2.86	2.87	2.95	3.11	3.13	3.18	3.22	4.04	5.34	5.79	5.79
CarTech Micro-Melt® M4 HCS	3.36	3.30	3.32	3.41	3.57	3.59	3.67	3.70	4.45	5.87	6.36	6.37
CarTech Micro-Melt® M42	2.59	2.59	2.59	2.84	3.16	3.18	3.29	3.36	3.72	4.14	4.48	4.43
CarTech Micro-Melt® M48	3.67	3.71	3.72	4.09	4.70	4.70	4.70	4.70	5.77	7.97	9.10	9.40
CarTech Micro-Melt® M48 LS	3.70	3.74	3.75	4.12	4.73	4.73	4.73	4.73	5.80	8.01	9.14	9.43
CarTech Micro-Melt® Maxamet®	3.58	3.65	3.66	4.16	4.90	4.87	4.75	4.68	5.92	8.72	10.17	10.69
CarTech Micro-Melt® MV 11K	1.05	1.05	1.07	1.15	1.19	1.18	1.18	1.22	1.21	1.23	1.24	1.19
CarTech Micro-Melt® NOREM 02	0.66	0.65	0.67	0.69	0.66	0.67	0.69	0.69	0.77	0.77	0.70	0.67
CarTech Micro-Melt® O6	0.19	0.18	0.22	0.24	0.22	0.21	0.21	0.21	0.24	0.25	0.19	0.21
CarTech Micro-Melt® P-28	3.27	3.12	3.11	3.38	3.40	3.44	3.56	3.58	3.76	3.77	3.61	3.40
CarTech Micro-Melt® PD#1	1.06	1.06	1.09	1.14	1.17	1.17	1.18	1.20	1.35	1.60	1.66	1.65
CarTech Micro-Melt® PD#5	1.67	1.62	1.64	1.77	1.85	1.84	1.86	1.85	2.07	2.50	2.60	2.62
CarTech Micro-Melt® SA508	0.36	0.36	0.40	0.41	0.39	0.38	0.39	0.40	0.44	0.46	0.39	0.40
CarTech Micro-Melt® 15-5PH	0.82	0.81	0.86	0.92	0.89	0.89	0.90	0.94	0.93	0.94	0.92	0.92
CarTech Micro-Melt® T15	3.36	3.42	3.45	3.76	4.30	4.28	4.20	4.15	5.35	8.03	9.26	9.66
CarTech Micro-Melt® T15 Plus	3.36	3.41	3.43	3.82	4.41	4.39	4.33	4.30	5.35	7.62	8.78	9.14
CarTech Micro-Melt® TD#1	1.28	1.29	1.32	1.35	1.41	1.42	1.46	1.49	1.75	2.21	2.34	2.33
CarTech Micro-Melt® TF1	0.96	0.95	0.98	1.09	1.20	1.20	1.22	1.25	1.32	1.36	1.42	1.42
CarTech Micro-Melt® TF6	5.72	5.81	5.81	6.17	6.91	6.91	6.90	6.88	8.75	12.72	14.47	14.88
CarTech Micro-Melt® TMM	0.92	0.90	0.93	0.96	0.94	0.94	0.98	1.00	1.07	1.09	1.04	0.99
CarTech Micro-Melt® VA176	2.21	2.14	2.15	2.40	2.45	2.44	2.44	2.41	2.42	2.39	2.32	2.27
CarTech Micro-Melt® W4841Nb	2.03	2.00	2.02	2.14	2.06	2.09	2.11	2.09	2.27	2.24	2.14	2.05
CarTech Micro-Melt® X245	1.59	1.60	1.61	1.78	1.80	1.79	1.74	1.75	1.78	1.76	1.72	1.66
Micro-Melt® X4CrNiMo 16-5-1	0.69	0.70	0.72	0.76	0.76	0.75	0.76	0.77	0.81	0.81	0.78	0.77
CarTech UltraFine® 1.2709	2.88	2.75	2.73	3.40	3.76	3.79	3.79	3.75	4.05	4.11	4.41	4.52
CarTech UltraFine® 1.4435	3.23	3.08	3.08	3.35	3.35	3.39	3.50	3.50	3.69	3.70	3.53	3.33
CarTech UltraFine® 17Cr-4Ni	1.27	1.21	1.25	1.43	1.44	1.44	1.46	1.48	1.45	1.45	1.38	1.37
CarTech UltraFine® 304L	1.02	1.03	1.06	1.12	1.10	1.11	1.12	1.12	1.19	1.18	1.13	1.11
CarTech UltraFine® 316L	1.69	1.66	1.68	1.74	1.69	1.71	1.76	1.78	1.94	1.94	1.86	1.76
CarTech UltraFine® 410L	0.31	0.30	0.34	0.36	0.36	0.35	0.35	0.37	0.37	0.39	0.36	0.38
CarTech UltraFine® 430L	0.81	0.74	0.77	0.92	0.97	0.96	0.97	0.96	0.94	0.95	0.88	0.88
CarTech UltraFine® 4340	0.33	0.33	0.37	0.39	0.37	0.36	0.36	0.36	0.40	0.41	0.34	0.35
CarTech UltraFine® 4340 MA 3X	0.33	0.33	0.37	0.39	0.37	0.36	0.36	0.36	0.40	0.41	0.34	0.36
CarTech UltraFine® 440C+1.5Nb	1.08	1.01	1.04	1.19	1.24	1.26	1.31	1.28	1.24	1.24	1.35	1.33
CarTech UltraFine® D2	0.52	0.52	0.55	0.60	0.63	0.62	0.62	0.64	0.66	0.67	0.66	0.67
CarTech UltraFine® Fe14MnC	0.21	0.20	0.24	0.25	0.25	0.24	0.24	0.24	0.26	0.27	0.21	0.23
UltraFine® Fe17Cr11Mn3Mo	1.61	1.51	1.53	1.66	1.70	1.72	1.79	1.82	1.88	1.91	1.82	1.72
CarTech UltraFine® Fe-30Cr	1.29	1.17	1.19	1.45	1.54	1.54	1.56	1.54	1.49	1.49	1.41	1.40
CarTech UltraFine® Fe30Ni	2.55	2.53	2.54	2.69	2.53	2.57	2.60	2.52	2.84	2.78	2.55	2.45
CarTech UltraFine® Fe8Ni	0.81	0.81	0.84	0.89	0.83	0.84	0.84	0.82	0.93	0.92	0.81	0.81

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CarTech UltraFine® FeCrAlY	0.45	0.45	0.49	0.52	0.53	0.52	0.54	0.58	0.73	0.58	0.60	0.61
CarTech UltraFine® FeSiAl	0.29	0.29	0.33	0.34	0.35	0.35	0.36	0.37	0.54	0.40	0.37	0.37
CarTech UltraFine® H13	0.68	0.67	0.70	0.72	0.72	0.71	0.73	0.75	0.80	0.82	0.77	0.75
CarTech UltraFine® M2	2.78	2.79	2.80	2.88	3.06	3.07	3.14	3.18	3.89	5.23	5.69	5.69
CarTech UltraFine® Mod FeSiAl	0.29	0.29	0.33	0.35	0.36	0.35	0.37	0.37	0.55	0.41	0.37	0.38
CarTech UltraFine® S7	0.63	0.61	0.64	0.67	0.66	0.66	0.69	0.70	0.75	0.78	0.71	0.69
CarTech UltraFine® SCM415	0.19	0.19	0.23	0.24	0.23	0.22	0.22	0.22	0.24	0.26	0.20	0.22
UltraFine® X2NiCoMo 18-9-5	2.82	2.70	2.68	3.34	3.68	3.71	3.72	3.68	3.98	4.04	4.34	4.44
CarTech UltraFine® X65Cr13	0.70	0.64	0.67	0.80	0.83	0.83	0.83	0.83	0.82	0.83	0.76	0.76
CarTech Micro-Melt® 65Fe35Co	0.54	0.24	0.18	2.48	4.28	4.19	3.81	3.62	3.57	3.78	5.59	6.79
CarTech Micro-Melt® 255N	2.39	2.27	2.28	2.53	2.56	2.58	2.67	2.68	2.75	2.76	2.65	2.53
CarTech Micro-Melt® 431 FM	0.95	0.88	0.91	1.06	1.10	1.09	1.10	1.09	1.10	1.10	1.02	1.01
CarTech Micro-Melt® 21-6-9	1.50	1.41	1.43	1.65	1.69	1.69	1.71	1.67	1.71	1.71	1.59	1.56
CarTech Micro-Melt® 9310	0.51	0.50	0.54	0.58	0.55	0.55	0.55	0.54	0.60	0.61	0.52	0.53
CarTech UltraFine® Fe-3Si	0.19	0.19	0.22	0.23	0.22	0.21	0.21	0.21	0.24	0.25	0.19	0.22
CarTech UltraFine® SKH57	4.19	4.06	4.05	4.82	5.64	5.63	5.58	5.51	6.72	9.30	10.79	11.30
CarTech UltraFine® Fe-6Si	0.20	0.19	0.23	0.24	0.23	0.22	0.22	0.22	0.25	0.26	0.21	0.23
CarTech UltraFine® F15	2.65	2.48	2.45	3.71	4.43	4.43	4.27	4.10	4.38	4.42	5.10	5.57
CarTech UltraFine® 347	1.72	1.64	1.65	1.87	1.86	1.88	1.89	1.86	1.95	1.93	1.79	1.75
CarTech UltraFine® Fe-18Cr	0.85	0.77	0.80	0.96	1.01	1.01	1.02	1.01	0.99	0.99	0.92	0.93
CarTech UltraFine® 4140	0.27	0.26	0.30	0.32	0.31	0.30	0.30	0.31	0.33	0.35	0.28	0.30
CarTech UltraFine® VeKo25Cr	2.90	2.87	2.88	2.96	3.11	3.14	3.20	3.19	3.82	5.07	5.66	5.69
CarTech UltraFine® 4140 MA	0.44	0.42	0.46	0.49	0.49	0.48	0.50	0.50	0.53	0.55	0.48	0.49
CarTech UltraFine® HK30	2.97	2.86	2.86	3.18	3.15	3.21	3.28	3.19	3.33	3.28	3.25	3.14
CarTech UltraFine® Fe-42Ni	3.52	3.49	3.48	3.70	3.47	3.54	3.57	3.47	3.91	3.82	3.51	3.37
CarTech UltraFine® 218	2.56	2.44	2.45	2.70	2.70	2.73	2.80	2.78	2.91	2.91	2.78	2.65
CarTech Micro-Melt® 7570	4.76	4.62	4.61	4.75	4.95	5.00	5.21	5.29	6.19	7.80	8.33	8.18
CarTech Micro-Melt Invar 36®	3.02	2.99	3.00	3.18	2.99	3.04	3.07	2.98	3.36	3.29	3.02	2.90
CarTech Micro-Melt® Alloy 1	1.69	1.63	1.65	1.80	1.77	1.79	1.83	1.82	1.98	1.94	1.81	1.75
CarTech Micro-Melt® EN25	0.54	0.53	0.56	0.59	0.57	0.56	0.58	0.57	0.64	0.65	0.57	0.57
CarTech Micro-Melt® PWC7	3.33	3.23	3.22	3.51	3.57	3.62	3.70	3.65	3.64	3.62	3.82	3.69
CarTech Micro-Melt® 4304-2	1.72	1.63	1.65	1.87	1.87	1.88	1.90	1.86	1.94	1.92	1.79	1.75
CarTech Micro-Melt® BSEC510	0.37	0.36	0.40	0.42	0.40	0.39	0.40	0.40	0.45	0.46	0.39	0.40
CarTech Micro-Melt® P21 Mod	0.55	0.54	0.58	0.62	0.59	0.58	0.59	0.58	0.67	0.64	0.56	0.57
CarTech Micro-Melt® 177-1	1.38	1.31	1.33	1.52	1.53	1.53	1.55	1.53	1.61	1.57	1.46	1.44
CarTech Micro-Melt® FeCoMo	4.17	3.95	3.90	4.85	5.52	5.56	5.66	5.70	6.10	6.27	6.90	6.97
CarTech Micro-Melt® 13Cr-8Ni	1.81	1.74	1.76	1.89	1.88	1.89	1.95	1.96	2.11	2.09	1.97	1.88
CarTech Micro-Melt® FeCrWTi	1.38	1.33	1.36	1.48	1.59	1.58	1.59	1.57	1.90	2.66	2.90	2.99
CarTech Micro-Melt® 316L Mod-1	1.97	1.88	1.90	2.13	2.11	2.13	2.15	2.11	2.25	2.20	2.04	1.99
CarTech Micro-Melt® 316L Mod-2	1.96	1.88	1.89	2.12	2.10	2.12	2.14	2.09	2.21	2.19	2.03	1.98

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CarTech Micro-Melt® 316L Mod-3	2.74	2.62	2.62	2.94	2.92	2.95	2.98	2.91	3.08	3.03	2.84	2.75
CarTech Micro-Melt® C300	2.84	2.72	2.70	3.35	3.70	3.73	3.74	3.70	4.00	4.05	4.35	4.44
CarTech Micro-Melt® 420-CW Mod	2.07	1.99	1.99	2.25	2.31	2.30	2.29	2.27	2.26	2.24	2.16	2.12
Micro-Melt Ferrium® PH48S	1.76	1.63	1.63	2.25	2.60	2.60	2.57	2.52	2.63	2.66	2.93	3.10
CarTech Micro-Melt® Fe-10Ni	0.99	0.99	1.01	1.08	1.01	1.02	1.03	1.00	1.13	1.12	0.99	0.98
Micro-Melt Ferrium® C64	6.51	6.30	6.22	7.64	8.13	8.22	8.14	7.89	8.64	8.63	9.05	9.28
CarTech Micro-Melt® SA508 Gr4N	0.66	0.65	0.68	0.72	0.70	0.70	0.71	0.71	0.78	0.78	0.70	0.69
CarTech UltraFine® 17Cr-4Ni Ar	1.46	1.39	1.43	1.61	1.62	1.63	1.67	1.69	1.66	1.67	1.64	1.60
CarTech Micro-Melt® HTMO	1.40	1.34	1.37	1.56	1.57	1.57	1.60	1.62	1.60	1.61	1.54	1.51
CarTech Micro-Melt® 1.2709	2.92	2.80	2.78	3.44	3.78	3.81	3.82	3.78	4.09	4.14	4.43	4.53
CarTech Micro-Melt® NitroMaxx	1.93	1.81	1.83	2.05	2.10	2.12	2.17	2.17	2.22	2.24	2.13	2.04
CarTech Micro-Melt® M152	1.27	1.20	1.23	1.34	1.35	1.36	1.40	1.41	1.47	1.49	1.39	1.34
CarTech Micro-Melt® FeCrAlTi	0.98	0.90	0.93	1.11	1.16	1.15	1.18	1.17	1.29	1.16	1.10	1.10
CarTech Micro-Melt® SHS8000	2.31	2.21	2.23	2.37	2.41	2.50	2.68	2.65	2.63	2.66	3.03	2.88
CarTech UltraFine® 13Cr-8Ni	1.82	1.75	1.76	1.91	1.89	1.91	1.97	1.97	2.12	2.10	1.98	1.89
CarTech UltraFine® 42CrMo4	0.27	0.26	0.30	0.32	0.31	0.30	0.30	0.31	0.33	0.35	0.28	0.30
Micro-Melt® BioDur 108 Low Ni	1.33	1.23	1.25	1.47	1.55	1.55	1.57	1.55	1.54	1.59	1.48	1.44
CarTech UltraFine® 420	0.93	0.88	0.91	1.03	1.06	1.09	1.13	1.11	1.07	1.08	1.19	1.17
CarTech Micro-Melt® BioDur 108	1.33	1.23	1.25	1.47	1.55	1.55	1.57	1.55	1.54	1.59	1.48	1.44
CarTech UltraFine Custom 465®	1.76	1.70	1.72	1.87	1.84	1.85	1.89	1.85	1.97	1.96	1.83	1.75
CarTech UltraFine® Fe10Mn3Si	0.25	0.24	0.28	0.31	0.31	0.30	0.29	0.29	0.31	0.34	0.26	0.28
CarTech UltraFine® 440A	0.81	0.74	0.77	0.92	0.97	0.96	0.97	0.96	0.94	0.95	0.88	0.88
CarTech UltraFine® 15Cr-5Ni	1.29	1.23	1.27	1.44	1.45	1.45	1.48	1.49	1.46	1.47	1.43	1.41
CarTech UltraFine® X20Cr13	0.69	0.64	0.67	0.80	0.83	0.82	0.83	0.82	0.81	0.82	0.75	0.76
CarTech UltraFine® S5	0.37	0.36	0.40	0.40	0.39	0.39	0.40	0.41	0.45	0.47	0.41	0.41
CarTech UltraFine® FeCoSiNbBCu	1.56	1.31	1.26	3.24	4.78	4.82	4.64	4.41	4.26	4.44	6.66	7.60
CarTech UltraFine® 18Ni300	2.87	2.75	2.73	3.38	3.73	3.75	3.76	3.72	4.03	4.08	4.38	4.47
CarTech UltraFine® Fe6.5Si5Cr	0.38	0.36	0.39	0.44	0.45	0.44	0.44	0.44	0.46	0.47	0.41	0.43
CarTech UltraFine Custom 455®	1.46	1.41	1.44	1.59	1.57	1.58	1.61	1.59	1.63	1.62	1.55	1.52
CarTech UltraFine Custom 475®	2.48	2.32	2.31	2.97	3.38	3.40	3.42	3.40	3.62	3.66	3.98	4.09
CarTech UltraFine® FeSiNbCuB	1.28	1.28	1.31	1.32	1.31	1.42	1.56	1.50	1.40	1.41	2.04	1.98
UltraFine Hi Permeability 49®	3.97	3.94	3.93	4.17	3.92	3.99	4.03	3.91	4.41	4.31	3.97	3.80
CarTech UltraFine® X25CrMo14	0.96	0.89	0.92	1.05	1.08	1.08	1.11	1.11	1.12	1.14	1.06	1.04
CarTech UltraFine® A2	0.68	0.66	0.69	0.74	0.74	0.74	0.76	0.77	0.81	0.83	0.76	0.74
CarTech UltraFine® 303	1.71	1.63	1.64	1.85	1.85	1.87	1.90	1.87	1.95	1.94	1.81	1.76
CarTech UltraFine® FeCo35	0.54	0.24	0.18	2.48	4.28	4.19	3.81	3.62	3.58	3.78	5.59	6.79
CarTech UltraFine® 440C	0.81	0.74	0.77	0.92	0.97	0.96	0.97	0.96	0.94	0.95	0.88	0.88
CarTech UltraFine® 420Mod	1.83	1.75	1.77	2.02	2.09	2.08	2.05	2.01	1.98	1.95	1.88	1.87
CarTech Micro-Melt® 9043	2.92	2.95	2.96	3.02	3.20	3.21	3.28	3.32	4.06	5.46	5.95	5.96
CarTech Micro-Melt® AF9628	0.51	0.50	0.53	0.55	0.53	0.53	0.55	0.56	0.61	0.63	0.57	0.56

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CarTech Micro-Melt® MS-1(N)	2.90	2.78	2.76	3.41	3.76	3.78	3.79	3.75	4.06	4.11	4.41	4.51
CarTech Micro-Melt NiMark® 350	2.90	2.75	2.72	3.57	4.07	4.09	4.07	4.00	4.30	4.37	4.82	5.03
CarTech UltraFine® 316L Mod	2.14	2.11	2.12	2.19	2.12	2.15	2.23	2.25	2.45	2.46	2.35	2.22
CarTech Micro-Melt® 416	0.76	0.71	0.73	0.85	0.89	0.88	0.89	0.89	0.89	0.90	0.82	0.82
CarTech Micro-Melt® 30CD12	0.35	0.35	0.38	0.40	0.38	0.38	0.39	0.40	0.43	0.45	0.40	0.40
CarTech Micro-Melt® Wear 26	0.86	0.86	0.89	0.94	0.98	0.97	0.98	1.02	1.02	1.06	1.07	1.03
CarTech Micro-Melt® Wear 20	1.06	1.06	1.09	1.17	1.20	1.19	1.19	1.22	1.24	1.28	1.27	1.21
Tungsten/Nickel-based (powder products)												
CarTech Micro-Melt® Amega NM	15.76	15.65	15.60	16.01	17.03	17.14	17.33	17.19	22.41	32.63	36.57	37.28
CarTech Micro-Melt® NT-60	17.86	17.83	17.81	18.29	19.81	19.87	19.91	19.62	26.54	40.82	46.51	47.91
CarTech Micro-Melt® NT-60KS	17.18	17.15	17.13	17.59	19.04	19.10	19.13	18.85	25.49	39.14	44.58	45.92
CarTech Micro-Melt® NT-60SP	17.59	17.56	17.54	18.00	19.52	19.58	19.61	19.33	26.18	40.34	45.99	47.38
CarTech Micro-Melt® NT-70SP	19.23	19.21	19.20	19.66	21.53	21.58	21.60	21.31	29.18	45.86	52.62	54.32
CarTech Micro-Melt® NT-65	18.59	18.57	18.55	19.02	20.72	20.78	20.80	20.51	27.93	43.48	49.73	51.29
CarTech Micro-Melt® NT-50 SPH	16.39	16.36	16.33	16.80	18.07	18.14	18.18	17.90	24.03	36.42	41.30	42.48
Other (powder products)												
CarTech Micro-Melt®Pyrowear 53	1.19	1.17	1.21	1.22	1.18	1.19	1.26	1.31	1.40	1.44	1.37	1.28
Micro-Melt® Glass Sealing 18	0.38	0.37	0.40	0.43	0.44	0.43	0.43	0.45	0.44	0.46	0.45	0.46
CarTech UltraFine® 1.4923	1.26	1.21	1.23	1.37	1.41	1.40	1.42	1.41	1.43	1.43	1.36	1.33
CarTech Micro-Melt® 901	4.92	4.85	4.82	5.00	4.75	4.84	4.99	4.93	5.51	5.45	5.13	4.80
CarTech Micro-Melt® 5120	0.21	0.21	0.25	0.27	0.26	0.25	0.25	0.25	0.27	0.28	0.22	0.25
CarTech UltraFine® 1.4848	2.72	2.60	2.60	2.92	2.90	2.93	2.96	2.90	3.06	3.01	2.82	2.73

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