

Raw Material and Energy Powder Surcharges 2020 - 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.

Chrome-based (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt® NiCr49Nb1	2.94	2.82	2.61	2.44	2.55	2.56	4.17	4.02	3.36			
UltraFine® 17Cr-4Ni MA 3X	1.54	1.46	1.38	1.35	1.48	1.45	1.94	1.90	1.62			
CarTech UltraFine® 316 MA	3.08	3.00	2.88	2.63	2.70	2.76	4.34	4.21	3.42			
CarTech UltraFine® 420 MA	0.66	0.60	0.60	0.68	0.81	0.75	0.82	0.81	0.65			

Cobalt-based (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt® 1	3.04	3.36	4.26	3.82	2.79	1.91	5.24	5.15	4.09			
CarTech Micro-Melt® 12	2.81	3.18	4.23	3.73	2.56	1.60	5.03	5.00	3.99			
CarTech Micro-Melt® 188	3.91	4.14	4.75	4.30	3.43	2.76	6.35	6.15	4.93			
CarTech Micro-Melt® 188B	3.91	4.14	4.75	4.30	3.43	2.76	6.35	6.15	4.93			
CarTech Micro-Melt® 1B	3.13	3.48	4.45	3.98	2.86	1.93	5.44	5.36	4.26			
CarTech Micro-Melt® 21	2.36	2.81	3.97	3.32	2.06	1.15	4.45	4.54	3.67			
CarTech Micro-Melt® 50Nb	2.34	2.73	3.76	3.17	2.04	1.19	4.33	4.39	3.58			
CarTech Micro-Melt® 6	1.86	2.15	2.97	2.58	1.69	0.95	3.48	3.49	2.81			
CarTech Micro-Melt® 6LF	2.40	2.83	4.00	3.43	2.15	1.12	4.57	4.61	3.75			
CarTech Micro-Melt® 9810	2.44	2.86	4.00	3.44	2.18	1.17	4.60	4.64	3.77			
CarTech Micro-Melt® A4783	2.76	3.08	3.93	3.39	2.35	1.57	4.87	4.84	3.97			
CarTech Micro-Melt® BioDur® CCM®	8.11	8.55	9.77	9.06	7.70	6.76	10.26	10.26	9.46			
CarTech Micro-Melt® CCM	2.27	2.72	3.89	3.25	2.00	1.08	4.31	4.41	3.55			
CarTech Micro-Melt CCM® GADS	2.27	2.72	3.89	3.25	2.00	1.08	4.31	4.41	3.55			
CarTech Micro-Melt® CCM PLUS®	2.27	2.72	3.89	3.25	2.00	1.08	4.31	4.41	3.55			
CarTech Micro-Melt® F	3.64	3.82	4.34	3.94	3.21	2.62	5.85	5.68	4.56			
CarTech Micro-Melt® F75	2.34	2.81	4.03	3.36	2.06	1.09	4.46	4.56	3.68			
CarTech Micro-Melt® G155	3.64	4.26	5.57	4.52	3.05	2.35	6.27	6.38	4.89			
CarTech Micro-Melt® G185	3.02	3.39	4.37	3.82	2.66	1.75	5.35	5.30	4.30			
CarTech Micro-Melt® G190	3.51	4.05	5.18	4.23	3.00	2.42	5.89	5.98	4.56			
CarTech Micro-Melt® G195	2.84	3.05	3.60	3.10	2.33	1.78	4.76	4.71	3.94			
CarTech Micro-Melt® HS31	3.02	3.38	4.36	3.81	2.66	1.75	5.34	5.29	4.29			
CarTech Micro-Melt® Merl72	3.81	4.17	4.89	4.45	3.63	2.81	5.94	5.87	4.92			
CarTech Micro-Melt® Mo1	3.02	3.37	4.34	3.84	2.76	1.89	5.23	5.18	4.09			
CarTech Micro-Melt® P1316	2.99	3.36	4.36	3.80	2.62	1.70	5.31	5.28	4.28			
CarTech Micro-Melt® P1318	2.99	3.36	4.36	3.80	2.62	1.70	5.31	5.28	4.28			
CarTech Micro-Melt® P694	3.95	4.25	5.11	4.68	3.62	2.74	6.55	6.36	5.00			
CarTech Micro-Melt® R31233	2.43	2.88	3.93	3.25	1.98	1.16	4.54	4.58	3.72			
CarTech Micro-Melt® TDCA	2.80	2.99	3.52	3.04	2.29	1.77	4.66	4.61	3.86			
CarTech Micro-Melt® WearCorr™	2.65	3.04	4.02	3.41	2.30	1.49	4.74	4.78	3.86			

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CarTech UltraFine CCM®	2.27	2.72	3.89	3.25	2.00	1.08	4.31	4.41	3.55			
CarTech UltraFine® CCM PLUS®	2.27	2.72	3.89	3.25	2.00	1.08	4.31	4.41	3.55			
CarTech UltraFine® CoCr	2.37	2.86	4.10	3.42	2.08	1.10	4.54	4.64	3.75			
CarTech UltraFine® F-75HP	2.35	2.82	4.04	3.37	2.07	1.10	4.47	4.58	3.69			
CarTech UltraFine® H25	3.68	4.02	4.95	4.43	3.27	2.36	6.26	6.12	4.88			
Micro-Melt® Maraging 509B	3.62	4.03	4.86	4.40	3.54	2.63	5.68	5.66	4.80			
CarTech Micro-Melt® CTS	1.96	2.40	3.59	3.01	1.73	0.71	3.92	4.03	3.32			
Micro-Melt Biodur CCM® LS	2.32	2.80	4.04	3.37	2.04	1.06	4.46	4.56	3.69			
Micro-Melt CCM® A764 Mod	2.33	2.82	4.06	3.38	2.05	1.06	4.48	4.58	3.71			
CarTech Micro-Melt® CoWCr	2.24	2.77	4.14	3.44	1.92	0.76	4.54	4.65	3.84			
CarTech UltraFine® FeCo50	1.28	1.65	2.57	2.11	1.04	0.31	2.72	2.78	2.31			
CarTech Micro-Melt® CCM MC	2.19	2.70	3.92	3.21	1.82	0.91	4.23	4.32	3.52			
Cobalt/Nickel-based (powder products)												
Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech UltraFine® MP35N®	3.46	3.73	4.28	3.60	2.77	2.40	5.57	5.50	4.49			
Copper-based (powder products)												
Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt® C18200	2.51	2.51	2.29	2.02	1.93	2.04	2.29	2.31	2.37			
CarTech Micro-Melt® CuNiSiCr	2.65	2.64	2.40	2.11	2.03	2.15	2.62	2.60	2.58			
CarTech Micro-Melt® G72	3.32	3.27	2.96	2.62	2.54	2.68	4.02	3.91	3.56			
CarTech UltraFine® CuNiSnP	3.07	3.11	2.88	2.57	2.47	2.60	3.03	3.01	2.99			
CarTech UltraFine® C621	2.86	2.88	2.65	2.35	2.26	2.38	2.86	2.84	2.80			
CarTech UltraFine® Cu15SnP	3.03	3.08	2.84	2.53	2.43	2.56	2.87	2.86	2.90			
CarTech UltraFine® Cu-Electr.	2.51	2.51	2.29	2.02	1.93	2.04	2.29	2.30	2.36			
CarTech UltraFine® Copper-MIM	2.53	2.53	2.30	2.03	1.94	2.05	2.30	2.31	2.38			
UltraFine® C18000	2.54	2.54	2.31	2.04	1.95	2.07	2.37	2.38	2.42			
Iron-based (powder products)												
Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt® 5506	1.56	1.53	1.49	1.37	1.39	1.43	2.16	2.10	1.69			
CarTech Micro-Melt® 654SMO	1.68	1.71	1.68	1.47	1.39	1.49	2.34	2.26	1.84			
CarTech Micro-Melt® 904L	1.82	1.82	1.74	1.54	1.47	1.57	2.54	2.44	2.03			
CarTech Micro-Melt® BS2766	0.49	0.54	0.65	0.58	0.44	0.42	0.72	0.70	0.55			
CarTech Micro-Melt® Fe LC	0.12	0.13	0.14	0.16	0.12	0.14	0.12	0.10	0.10			
CarTech Micro-Melt® Fe Powder	0.12	0.13	0.15	0.16	0.12	0.15	0.12	0.10	0.10			
CarTech Micro-Melt® LAW 100X	0.12	0.13	0.14	0.16	0.12	0.14	0.12	0.10	0.10			
CarTech Micro-Melt® Sanicro 28	2.04	2.03	1.91	1.70	1.64	1.74	2.88	2.75	2.31			
CarTech Micro-Melt® 28	2.04	2.03	1.91	1.70	1.64	1.74	2.88	2.75	2.31			
CarTech Micro-Melt NCORR®	1.34	1.30	1.25	1.18	1.23	1.25	1.84	1.78	1.46			
CarTech Micro-Melt® FeCoTa	9.60	10.58	10.20	10.59	12.49	11.36	9.19	9.43	10.07			
CarTech Micro-Melt® FeCoCrNi	2.23	2.36	2.74	2.39	1.87	1.49	3.65	3.60	3.01			
CarTech Micro-Melt® FeCoTaMo	7.56	8.44	8.76	8.52	9.06	8.10	8.45	8.65	8.36			

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CarTech Micro-Melt® AFA25	2.03	1.99	1.94	1.80	1.78	1.81	2.83	2.67	2.26
CarTech Micromelt® AFA25	2.03	1.99	1.94	1.80	1.78	1.81	2.83	2.67	2.26
CarTech Micro-Melt Ferrium®M41	6.18	6.75	7.37	5.89	5.19	5.81	8.78	8.82	6.16
CarTech Micro-Melt® 2507 SDplx	0.93	0.91	0.91	0.84	0.88	0.89	1.29	1.27	0.99
CarTech Micro-Melt® VeKo25Cr	0.98	1.02	1.20	1.16	1.00	0.98	1.36	1.32	1.01
CarTech Micro-Melt® 1.4313	0.49	0.49	0.48	0.48	0.48	0.50	0.65	0.61	0.51
Micro-Melt Aermet-for-tooling®	1.07	1.16	1.36	1.18	0.87	0.72	1.73	1.70	1.42
CarTech Micro-Melt® A-286	1.71	1.67	1.60	1.47	1.44	1.49	2.43	2.33	1.94

Iron/Cobalt-based (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt Hiperco® 50	1.42	1.79	2.74	2.29	1.21	0.47	2.92	2.98	2.45			
CarTech UltraFine Hiperco® 50	1.41	1.78	2.72	2.28	1.20	0.47	2.90	2.96	2.43			
Micro-Melt Hiperco® 50 HS	1.78	2.16	3.23	2.78	1.60	0.81	3.49	3.55	2.85			

Iron/Nickel (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech UltraFine® GHS 4	2.70	2.69	2.57	2.28	2.16	2.28	3.87	3.71	3.05			

Nickel-based (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech IN100	4.01	3.97	3.77	3.33	3.28	3.44	5.74	5.55	4.52			
CarTech Micro-Melt® 230	4.68	4.63	4.48	4.17	3.98	3.90	6.84	6.50	5.24			
CarTech Micro-Melt® 247LC	5.25	5.29	5.10	4.75	4.65	4.51	7.36	7.07	6.00			
CarTech Micro-Melt®247LC Mod 1	5.25	5.30	5.11	4.75	4.63	4.50	7.36	7.06	6.01			
CarTech Micro-Melt® 282	3.98	4.01	3.99	3.48	3.21	3.21	5.91	5.74	4.71			
CarTech Micro-Melt® 50/50	3.12	2.99	2.74	2.55	2.66	2.70	4.43	4.26	3.57			
CarTech Micro-Melt® 600	4.01	3.88	3.52	3.16	3.15	3.29	5.79	5.53	4.69			
CarTech Micro-Melt® 622	4.42	4.39	4.22	3.73	3.62	3.79	6.34	6.11	4.92			
CarTech Micro-Melt® 622 AWS	4.44	4.41	4.24	3.75	3.65	3.81	6.37	6.15	4.95			
CarTech Micro-Melt® 625	3.50	3.46	3.34	2.96	2.92	3.03	5.07	4.84	3.97			
CarTech Micro-Melt® 625+W	4.33	4.27	4.09	3.67	3.63	3.76	6.15	5.88	4.91			
CarTech Micro-Melt® 625AM	4.62	4.56	4.37	3.90	3.86	3.99	6.57	6.28	5.24			
CarTech Micro-Melt® 625Ar	4.62	4.56	4.37	3.90	3.86	3.99	6.57	6.28	5.24			
CarTech Micro-Melt® 625LF	4.60	4.54	4.35	3.88	3.84	3.98	6.54	6.25	5.21			
CarTech Micro-Melt® 625M	4.71	4.65	4.48	4.02	3.98	4.10	6.67	6.36	5.33			
CarTech Micro-Melt® 713C	4.21	4.12	3.79	3.36	3.30	3.47	6.06	5.82	4.86			
CarTech Micro-Melt® 718	3.66	3.59	3.45	3.15	3.15	3.21	5.16	4.88	4.17			
CarTech Micro-Melt® 80/20	4.20	4.07	3.69	3.32	3.32	3.46	6.06	5.80	4.91			
CarTech Micro-Melt® 825	2.91	2.86	2.65	2.35	2.28	2.42	4.13	3.95	3.34			
CarTech Micro-Melt® A4777	4.25	4.12	3.73	3.32	3.28	3.45	6.15	5.87	4.99			
CarTech Micro-Melt® A4778	4.65	4.52	4.08	3.61	3.54	3.74	6.76	6.44	5.48			
CarTech Micro-Melt® A4779	4.75	4.62	4.17	3.69	3.62	3.82	6.90	6.58	5.59			
CarTech Micro-Melt® A4782	3.79	3.66	3.32	2.99	3.00	3.12	5.47	5.22	4.42			

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CarTech Micro-Melt® B27	4.79	4.65	4.20	3.72	3.64	3.85	6.95	6.63	5.63
CarTech Micro-Melt® B40	4.30	4.17	3.77	3.36	3.33	3.50	6.22	5.94	5.04
CarTech Micro-Melt® B56	3.99	3.87	3.51	3.14	3.12	3.27	5.77	5.51	4.67
CarTech Micro-Melt® B60+	3.88	3.75	3.40	3.05	3.04	3.18	5.60	5.35	4.53
CarTech Micro-Melt® C-276	4.74	4.75	4.58	4.03	3.87	4.06	6.82	6.58	5.27
CarTech Micro-Melt® C-901	4.18	4.15	3.95	3.45	3.37	3.56	6.01	5.81	4.73
CarTech Micro-Melt® G142	3.91	3.78	3.43	3.08	3.08	3.22	5.65	5.40	4.57
CarTech Micro-Melt® G173	4.52	4.55	4.35	3.99	4.00	3.90	6.25	6.06	5.31
CarTech Micro-Melt® G183	4.16	4.15	4.07	3.62	3.36	3.33	6.18	5.94	4.89
CarTech Micro-Melt® G186	3.80	3.83	3.86	3.36	3.01	2.92	5.73	5.56	4.63
CarTech Micro-Melt® G192	3.75	3.63	3.29	2.97	2.97	3.09	5.39	5.16	4.37
CarTech Micro-Melt® G202	3.66	3.58	3.44	3.14	3.15	3.20	5.15	4.87	4.16
CarTech Micro-Melt® G207	4.27	4.14	3.75	3.36	3.34	3.50	6.17	5.90	5.00
CarTech Micro-Melt® G81	3.79	3.66	3.32	2.99	3.00	3.12	5.47	5.22	4.42
CarTech Micro-Melt® GHS-4	2.76	2.74	2.63	2.34	2.26	2.37	3.96	3.82	3.12
CarTech Micro-Melt® HX	3.35	3.32	3.17	2.80	2.75	2.89	4.79	4.63	3.76
CarTech Micro-Melt® HyMu 800	4.43	4.35	4.00	3.51	3.40	3.62	6.41	6.14	5.14
CarTech Micro-Melt® IN738	4.25	4.26	4.12	3.75	3.64	3.56	6.07	5.86	4.98
CarTech Micro-Melt® MAR-M-247	5.36	5.41	5.24	4.89	4.79	4.62	7.49	7.20	6.11
CarTech Micro-Melt® N5A	3.41	3.42	3.42	3.03	2.72	2.59	5.16	5.00	4.22
CarTech Micro-Melt® N5A/N5B	3.35	3.35	3.37	2.97	2.67	2.54	5.07	4.91	4.14
CarTech Micro-Melt® N5B	3.20	3.21	3.24	2.87	2.57	2.43	4.87	4.72	3.97
CarTech Micro-Melt® NFM 24	3.57	3.61	3.67	3.20	2.82	2.69	5.45	5.28	4.43
CarTech Micro-Melt® NiCoCrMo	3.81	3.87	3.94	3.43	3.03	2.89	5.77	5.61	4.66
CarTech Micro-Melt® NiCrMoAl	4.27	4.19	3.87	3.41	3.33	3.52	6.16	5.91	4.94
CarTech Micro-Melt® NiCrMoB	4.68	4.66	4.43	3.85	3.71	3.95	6.74	6.51	5.30
CarTech Micro-Melt® TDCA/TDCB	2.81	2.97	3.41	2.95	2.30	1.85	4.60	4.54	3.80
CarTech Micro-Melt® TDCB	2.84	2.94	3.19	2.79	2.32	2.01	4.51	4.41	3.70
CarTech UltraFine® 713C	4.20	4.10	3.78	3.35	3.29	3.46	6.05	5.80	4.85
CarTech UltraFine® 718	3.13	3.05	2.82	2.53	3.15	3.21	4.48	4.30	3.59
CarTech UltraFine® Alloy X	2.89	2.87	2.73	2.35	2.26	2.38	4.42	4.25	3.35
CarTech UltraFine® HX	3.49	3.47	3.33	2.95	2.86	2.98	5.03	4.86	3.96
CarTech UltraFine® K500	6.42	6.32	6.52	6.15	6.19	6.01	8.69	7.91	7.23
CarTech UltraFine® NiCoCrAlY	3.04	3.13	3.32	2.87	2.34	2.09	4.79	4.67	3.95
CarTech Micro-Melt® BRB	3.99	3.94	3.77	3.34	3.12	3.11	5.92	5.70	4.82
CarTech Micro-Melt® G204	4.28	4.15	3.75	3.34	3.30	3.47	6.20	5.91	5.02
CarTech Micro-Melt® Waspaloy	3.84	3.86	3.85	3.38	3.07	2.98	5.75	5.58	4.64
CarTech Micro-Melt® A914	4.17	4.21	4.22	3.67	3.19	3.05	6.41	6.19	5.24
CarTech Micro-Melt® 5 Fe	3.14	3.36	3.89	3.32	2.49	1.98	5.24	5.16	4.33
CarTech Micro-Melt® 725	4.35	4.29	4.10	3.67	3.63	3.74	6.18	5.90	4.95
CarTech UltraFine® 625	4.62	4.56	4.37	3.90	3.86	3.99	6.57	6.28	5.24

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CarTech UltraFine® Fe-50Ni	2.59	2.52	2.29	2.04	1.98	2.10	3.73	3.55	3.02
CarTech Micro-Melt® L1	4.65	4.58	4.41	3.99	3.93	4.03	6.61	6.30	5.22
CarTech Micro-Melt® Ni-24.5Cr	5.05	4.91	4.43	3.92	3.84	4.07	7.34	7.00	5.95
CarTech Micro-Melt® HX-1LC	3.49	3.47	3.34	2.96	2.86	2.97	5.02	4.86	3.95
CarTech Micro-Melt® R95	4.53	4.51	4.44	4.00	3.77	3.72	6.61	6.31	5.29
CarTech Micro-Melt® R125-1	5.16	5.23	5.06	4.70	4.62	4.47	7.15	6.90	5.90
CarTech Micro-Melt® C263	3.78	3.86	4.02	3.49	3.05	2.87	5.77	5.63	4.65
CarTech Micro-Melt® 718 AM	3.64	3.57	3.42	3.12	3.12	3.18	5.13	4.86	4.15
CarTech Micro-Melt® 690	3.42	3.29	3.01	2.74	2.78	2.87	4.89	4.69	3.96
CarTech Micro-Melt® 82	4.27	4.14	3.83	3.47	3.49	3.59	6.11	5.81	4.96
Micro-Melt® STAL18SILAY	4.94	4.96	4.66	4.37	4.51	4.44	6.64	6.42	5.62
CarTech Micro-Melt® 738 LC	4.44	4.44	4.29	3.91	3.80	3.72	6.31	6.08	5.18
CarTech Micro-Melt® 263	3.90	3.99	4.15	3.61	3.11	2.84	5.92	5.78	4.80
CarTech Micro-Melt® HX LC	3.49	3.47	3.33	2.95	2.86	2.98	5.03	4.86	3.96
CarTech Micro-Melt® HX-4	3.48	3.46	3.32	2.94	2.85	2.97	5.01	4.84	3.94
CarTech Micro-Melt® R77	3.84	3.88	3.90	3.40	3.04	2.94	5.79	5.62	4.68
CarTech Micro-Melt® 109 Mod	3.84	3.91	4.01	3.62	3.31	3.04	5.68	5.51	4.69
CarTech Micro-Melt® Ni60H	3.90	3.78	3.42	3.07	3.06	3.20	5.63	5.38	4.56
CarTech Micro-Melt® 625F-1	4.44	4.38	4.21	3.76	3.72	3.85	6.30	6.02	5.02
CarTech Micro-Melt® 792	4.96	5.02	4.82	4.48	4.47	4.34	6.78	6.57	5.69
CarTech Micro-Melt® NiCrAlY	3.66	3.54	3.21	2.90	2.89	3.01	5.26	5.03	4.26
CarTech Micro-Melt® 720	3.79	3.82	3.85	3.40	3.05	2.90	5.71	5.53	4.60
CarTech UltraFine® Ni20Cr	4.30	4.16	3.77	3.39	3.39	3.54	6.20	5.93	5.02
CarTech UltraFine® NiCrMo	2.83	2.80	2.69	2.39	2.32	2.41	4.05	3.91	3.21
CarTech UltraFine® 90	3.65	3.68	3.72	3.28	2.91	2.73	5.58	5.41	4.56
CarTech UltraFine® M400	4.21	4.11	3.72	3.29	3.21	3.39	5.69	5.46	4.77
CarTech UltraFine® R77	3.83	3.86	3.89	3.39	3.03	2.92	5.77	5.59	4.66
UltraFine® Maraging 247	5.24	5.28	5.11	4.76	4.63	4.47	7.37	7.07	5.98
CarTech UltraFine® HyMu 800	4.43	4.35	4.00	3.51	3.40	3.62	6.41	6.14	5.14
CarTech Micro-Melt® 75	4.12	4.01	3.64	3.24	3.18	3.35	5.95	5.67	4.83

Tool Steel (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt Custom 470®	0.79	0.79	0.76	0.70	0.65	0.70	1.09	1.03	0.88			
CarTech Micro-Melt® 100	0.85	0.87	0.88	0.80	0.75	0.79	1.14	1.08	0.89			
CarTech Micro-Melt® 100Cr6	0.13	0.14	0.15	0.16	0.13	0.15	0.13	0.11	0.10			
CarTech Micro-Melt® 1045	0.12	0.13	0.15	0.16	0.12	0.15	0.12	0.10	0.10			
CarTech Micro-Melt® 15Cr-5Ni	0.57	0.55	0.53	0.53	0.54	0.55	0.70	0.67	0.58			
CarTech Micro-Melt® 16MnCr5	0.13	0.14	0.15	0.16	0.13	0.15	0.13	0.10	0.10			
CarTech Micro-Melt® 17Cr-4Ni	0.50	0.50	0.49	0.47	0.43	0.46	0.59	0.56	0.51			
CarTech Micro-Melt® 20-4	0.68	0.71	0.84	0.83	0.70	0.67	0.95	0.92	0.71			
CarTech Micro-Melt®2205 Duplex	0.71	0.73	0.74	0.67	0.62	0.67	0.93	0.89	0.73			

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CarTech Micro-Melt®2505 SDplx	0.76	0.78	0.78	0.71	0.66	0.71	0.98	0.94	0.79
CarTech Micro-Melt® 2205M	0.71	0.73	0.75	0.67	0.63	0.67	0.94	0.90	0.74
CarTech Micro-Melt® 23	1.32	1.37	1.50	1.42	1.25	1.23	1.90	1.81	1.33
CarTech Micro-Melt® 2357	0.97	0.98	0.96	0.86	0.81	0.87	1.34	1.27	1.06
CarTech Micro-Melt® 23S	1.31	1.36	1.49	1.42	1.25	1.23	1.89	1.80	1.33
CarTech Micro-Melt® 25-10-10	1.46	1.50	1.59	1.45	1.41	1.44	2.01	1.96	1.45
CarTech Micro-Melt® 253	0.64	0.64	0.61	0.58	0.56	0.59	0.85	0.80	0.71
CarTech Micro-Melt® 254SMO	1.42	1.44	1.42	1.25	1.17	1.26	1.96	1.89	1.54
CarTech Micro-Melt® 25-7-4	0.89	0.91	0.92	0.83	0.76	0.82	1.19	1.14	0.93
CarTech Micro-Melt® 2739	1.77	1.84	2.10	2.03	1.70	1.53	2.68	2.56	1.92
CarTech Micro-Melt® 2888	1.14	1.23	1.44	1.32	1.03	0.88	1.78	1.70	1.33
CarTech Micro-Melt® 2906	0.78	0.79	0.79	0.72	0.68	0.72	1.03	0.98	0.82
CarTech Micro-Melt® 30	1.45	1.54	1.77	1.65	1.36	1.25	2.20	2.12	1.59
CarTech Micro-Melt® 304	0.64	0.63	0.60	0.57	0.54	0.57	0.84	0.79	0.70
CarTech Micro-Melt® 304B4	0.99	0.96	0.90	0.87	0.89	0.91	1.37	1.30	1.10
CarTech Micro-Melt® 304B6	0.99	0.96	0.90	0.86	0.89	0.91	1.37	1.30	1.10
CarTech Micro-Melt® 304B7	1.00	0.97	0.91	0.87	0.90	0.92	1.38	1.31	1.11
CarTech Micro-Melt® 304L	0.79	0.76	0.73	0.71	0.74	0.75	1.07	1.02	0.86
CarTech Micro-Melt® 308L Mod	0.72	0.72	0.68	0.64	0.61	0.65	0.97	0.91	0.80
CarTech Micro-Melt® 309L	1.05	1.01	0.96	0.92	0.96	0.97	1.43	1.38	1.15
CarTech Micro-Melt® 30LS	1.63	1.74	2.03	1.88	1.52	1.36	2.50	2.42	1.82
CarTech Micro-Melt® 30Nb	1.61	1.73	2.02	1.87	1.51	1.35	2.49	2.40	1.81
CarTech Micro-Melt® 312	0.74	0.73	0.70	0.66	0.64	0.67	0.97	0.91	0.81
CarTech Micro-Melt® 316L	0.79	0.80	0.78	0.71	0.67	0.72	1.07	1.02	0.86
CarTech Micro-Melt® 316L AWS	0.88	0.89	0.87	0.79	0.74	0.79	1.21	1.15	0.96
CarTech Micro-Melt® 316L+S	0.88	0.89	0.87	0.79	0.74	0.79	1.21	1.15	0.96
CarTech Micro-Melt® 316LHSi	1.11	1.09	1.06	0.99	0.99	1.03	1.53	1.47	1.20
CarTech Micro-Melt® 316LN	1.10	1.09	1.05	0.98	0.98	1.01	1.52	1.46	1.20
CarTech Micro-Melt® 316Lx1.5	1.21	1.22	1.18	1.06	1.00	1.07	1.67	1.59	1.33
CarTech Micro-Melt® 347H	0.75	0.74	0.70	0.66	0.62	0.66	1.01	0.94	0.82
CarTech Micro-Melt® 410	0.16	0.17	0.20	0.19	0.17	0.20	0.17	0.14	0.14
CarTech Micro-Melt® 410L	0.25	0.25	0.26	0.29	0.30	0.30	0.30	0.27	0.23
CarTech Micro-Melt® 4112	0.29	0.31	0.33	0.32	0.28	0.31	0.34	0.31	0.27
CarTech Micro-Melt® 4130	0.16	0.17	0.19	0.19	0.15	0.18	0.17	0.15	0.14
CarTech Micro-Melt® 4140	0.13	0.14	0.16	0.17	0.14	0.16	0.14	0.11	0.11
CarTech Micro-Melt® 416R	0.23	0.24	0.26	0.26	0.23	0.25	0.26	0.23	0.22
CarTech Micro-Melt® 420	0.27	0.26	0.27	0.30	0.31	0.31	0.31	0.29	0.24
CarTech Micro-Melt® 420 LCM	0.27	0.26	0.27	0.30	0.31	0.31	0.31	0.29	0.25
CarTech Micro-Melt® 420-CW	0.96	1.00	1.26	1.26	1.03	0.95	1.43	1.39	1.03
CarTech Micro-Melt® 420LC	0.27	0.26	0.27	0.30	0.31	0.31	0.31	0.29	0.24
CarTech Micro-Melt® 422	0.49	0.49	0.50	0.51	0.50	0.50	0.64	0.60	0.48

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CarTech Micro-Melt® 431	0.40	0.38	0.38	0.40	0.43	0.42	0.50	0.47	0.39
CarTech Micro-Melt® 4340	0.21	0.22	0.23	0.23	0.19	0.22	0.26	0.23	0.21
CarTech Micro-Melt® 4370	0.73	0.70	0.68	0.66	0.69	0.70	0.97	0.93	0.78
CarTech Micro-Melt® 440	0.75	0.78	0.97	0.97	0.81	0.76	1.08	1.05	0.80
CarTech Micro-Melt® 440C	0.34	0.34	0.35	0.37	0.39	0.39	0.42	0.40	0.32
CarTech Micro-Melt® 440-XH	0.42	0.42	0.45	0.46	0.47	0.46	0.54	0.52	0.41
CarTech Micro-Melt® 4848	1.41	1.35	1.26	1.19	1.24	1.26	1.96	1.88	1.58
CarTech Micro-Melt® 53	1.38	1.43	1.68	1.64	1.39	1.31	2.04	1.97	1.44
CarTech Micro-Melt® 5499	0.36	0.39	0.43	0.40	0.34	0.37	0.46	0.44	0.34
CarTech Micro-Melt® 60	1.92	2.04	2.41	2.24	1.83	1.66	2.94	2.86	2.12
CarTech Micro-Melt®6126Ni-free	0.55	0.55	0.60	0.56	0.58	0.59	0.70	0.68	0.53
CarTech Micro-Melt® 7339	0.17	0.18	0.20	0.20	0.16	0.19	0.19	0.16	0.14
CarTech Micro-Melt® 736A	0.66	0.63	0.62	0.62	0.67	0.66	0.86	0.83	0.68
CarTech Micro-Melt® 80	2.61	2.79	3.31	3.08	2.46	2.12	4.12	3.98	3.00
CarTech Micro-Melt® 800	1.59	1.62	2.06	2.10	1.77	1.58	2.41	2.38	1.74
CarTech Micro-Melt® 9038	0.74	0.78	0.89	0.85	0.73	0.72	1.05	1.01	0.75
CarTech Micro-Melt® 9040	1.14	1.20	1.35	1.26	1.09	1.09	1.63	1.58	1.16
CarTech Micro-Melt® 9055	1.45	1.54	1.78	1.65	1.36	1.25	2.20	2.12	1.58
CarTech Micro-Melt® 9078	1.01	1.07	1.33	1.29	1.05	0.99	1.51	1.48	1.08
CarTech Micro-Melt® 9098	0.62	0.64	0.77	0.77	0.65	0.62	0.86	0.83	0.64
CarTech Micro-Melt® 9655	1.20	1.23	1.22	1.08	1.01	1.08	1.64	1.58	1.29
CarTech Micro-Melt® 9659	1.33	1.32	1.31	1.21	1.23	1.26	1.83	1.78	1.42
CarTech Micro-Melt® 9660	1.33	1.32	1.31	1.21	1.23	1.26	1.83	1.78	1.42
CarTech Micro-Melt® A11	1.00	1.05	1.32	1.32	1.07	0.99	1.50	1.47	1.08
CarTech Micro-Melt® A11HC	1.35	1.42	1.75	1.68	1.39	1.32	2.01	1.98	1.43
CarTech Micro-Melt® A11LVC	0.97	1.01	1.28	1.27	1.04	0.96	1.45	1.42	1.04
CarTech Micro-Melt® A11-VP	1.06	1.11	1.40	1.40	1.14	1.05	1.59	1.56	1.14
CarTech Micro-Melt® Aermet®100	1.10	1.19	1.40	1.21	0.89	0.74	1.78	1.75	1.46
CarTech Micro-Melt® AISI8740	0.17	0.18	0.19	0.20	0.16	0.19	0.19	0.17	0.15
CarTech Micro-Melt® AM400Plus	0.81	0.80	0.78	0.73	0.72	0.75	1.10	1.06	0.87
CarTech Micro-Melt® APM 2370	0.78	0.80	0.81	0.73	0.68	0.73	1.04	0.99	0.81
CarTech Micro-Melt® CD#1	0.39	0.41	0.46	0.44	0.37	0.39	0.52	0.49	0.40
CarTech Micro-Melt® D2	0.33	0.35	0.41	0.40	0.33	0.34	0.43	0.40	0.33
CarTech Micro-Melt® D7	0.58	0.61	0.74	0.73	0.61	0.59	0.82	0.79	0.61
CarTech Micro-Melt® Duplex 22	0.72	0.74	0.75	0.68	0.63	0.68	0.95	0.91	0.75
CarTech Micro-Melt® F22	0.24	0.25	0.27	0.27	0.23	0.26	0.29	0.26	0.22
CarTech Micro-Melt® FeSi	0.12	0.14	0.15	0.17	0.14	0.16	0.13	0.11	0.10
CarTech Micro-Melt® FeSi 600	0.13	0.14	0.15	0.17	0.14	0.17	0.13	0.11	0.10
CarTech Micro-Melt® Grade 92	0.39	0.40	0.42	0.42	0.37	0.39	0.50	0.45	0.37
CarTech Micro-Melt® H13	0.43	0.45	0.52	0.51	0.45	0.44	0.59	0.56	0.43
CarTech Micro-Melt® H163	1.37	1.42	1.58	1.51	1.32	1.28	1.98	1.89	1.39

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CarTech Micro-Melt® HS-30	1.42	1.51	1.75	1.62	1.33	1.22	2.16	2.08	1.56
CarTech Micro-Melt® M300	2.04	2.12	2.24	1.99	1.72	1.66	2.86	2.80	2.37
CarTech Micro-Melt® M4	1.32	1.38	1.53	1.46	1.28	1.24	1.92	1.83	1.35
CarTech Micro-Melt® M4 HCS	1.45	1.50	1.65	1.58	1.40	1.36	2.09	2.00	1.46
CarTech Micro-Melt® M42	1.13	1.25	1.45	1.25	1.00	0.98	1.69	1.67	1.24
CarTech Micro-Melt® M48	1.81	1.90	2.14	2.01	1.69	1.55	2.73	2.61	1.95
CarTech Micro-Melt® M48 LS	1.82	1.91	2.16	2.02	1.70	1.56	2.75	2.63	1.96
CarTech Micro-Melt® Maxamet®	2.01	2.09	2.39	2.34	1.96	1.72	3.09	2.93	2.21
CarTech Micro-Melt® MV 11K	0.62	0.65	0.77	0.76	0.65	0.63	0.86	0.83	0.65
CarTech Micro-Melt® NOREM 02	0.35	0.36	0.36	0.33	0.30	0.33	0.48	0.45	0.38
CarTech Micro-Melt® O6	0.12	0.13	0.15	0.16	0.12	0.15	0.12	0.10	0.10
CarTech Micro-Melt® P-28	1.33	1.31	1.31	1.20	1.23	1.26	1.83	1.78	1.41
CarTech Micro-Melt® PD#1	0.56	0.58	0.67	0.65	0.55	0.55	0.77	0.74	0.56
CarTech Micro-Melt® PD#5	0.81	0.83	0.96	0.96	0.84	0.80	1.15	1.11	0.83
CarTech Micro-Melt® SA508	0.20	0.21	0.23	0.22	0.18	0.21	0.24	0.21	0.18
Micro-Melt® Sanicro 15-5PH	0.49	0.49	0.48	0.46	0.42	0.46	0.59	0.55	0.50
CarTech Micro-Melt® 15-5PH	0.49	0.49	0.48	0.46	0.42	0.46	0.59	0.55	0.50
CarTech Micro-Melt® T15	1.80	1.85	2.06	2.04	1.75	1.58	2.70	2.55	1.91
CarTech Micro-Melt® T15 Plus	1.80	1.87	2.13	2.06	1.73	1.55	2.73	2.60	1.95
CarTech Micro-Melt® TD#1	0.58	0.61	0.67	0.64	0.55	0.56	0.81	0.76	0.58
CarTech Micro-Melt® TF1	0.48	0.53	0.63	0.57	0.45	0.45	0.69	0.67	0.52
CarTech Micro-Melt® TF6	2.80	2.88	3.17	3.06	2.67	2.47	4.18	3.96	2.93
CarTech Micro-Melt® TMM	0.45	0.47	0.52	0.49	0.42	0.44	0.59	0.56	0.45
CarTech Micro-Melt® VA176	1.24	1.27	1.57	1.58	1.35	1.24	1.84	1.81	1.33
CarTech Micro-Melt® W4841Nb	1.24	1.22	1.14	1.04	1.01	1.07	1.72	1.63	1.41
CarTech Micro-Melt® X245	1.03	1.08	1.37	1.36	1.11	1.02	1.55	1.52	1.12
Micro-Melt® X4CrNiMo 16-5-1	0.42	0.42	0.41	0.40	0.37	0.39	0.53	0.49	0.44
CarTech UltraFine® 1.2709	1.59	1.68	1.80	1.54	1.27	1.22	2.43	2.37	1.94
CarTech UltraFine® 1.4435	1.38	1.36	1.33	1.23	1.25	1.28	1.90	1.85	1.49
CarTech UltraFine® 17Cr-4Ni	0.59	0.57	0.55	0.55	0.57	0.57	0.72	0.69	0.60
CarTech UltraFine® 304L	0.61	0.61	0.58	0.55	0.52	0.56	0.81	0.76	0.67
CarTech UltraFine® 316L	0.88	0.89	0.87	0.79	0.74	0.79	1.21	1.15	0.96
CarTech UltraFine® 410L	0.19	0.20	0.21	0.22	0.19	0.21	0.20	0.17	0.17
CarTech UltraFine® 430L	0.30	0.29	0.30	0.33	0.36	0.35	0.36	0.34	0.28
CarTech UltraFine® 4340	0.21	0.22	0.23	0.23	0.19	0.22	0.26	0.23	0.21
CarTech UltraFine® 4340 MA 3X	0.21	0.22	0.23	0.23	0.19	0.22	0.26	0.23	0.21
CarTech UltraFine® 440C+1.5Nb	0.46	0.45	0.48	0.51	0.54	0.52	0.55	0.51	0.45
CarTech UltraFine® D2	0.31	0.33	0.38	0.37	0.31	0.32	0.39	0.37	0.31
CarTech UltraFine® Fe14MnCr	0.15	0.15	0.16	0.18	0.15	0.17	0.16	0.14	0.13
UltraFine® Fe17Cr11Mn3Mo	0.56	0.57	0.60	0.58	0.58	0.59	0.73	0.71	0.55
CarTech UltraFine® FeCrMnMo	0.56	0.57	0.60	0.58	0.58	0.59	0.73	0.71	0.55

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CarTech UltraFine® Fe-30Cr	0.44	0.41	0.42	0.47	0.54	0.51	0.54	0.52	0.43
CarTech UltraFine® Fe30Ni	1.60	1.57	1.43	1.29	1.24	1.32	2.29	2.17	1.85
CarTech UltraFine® Fe8Ni	0.51	0.51	0.49	0.46	0.42	0.46	0.70	0.65	0.56
CarTech UltraFine® FeCrAlY	0.26	0.26	0.28	0.28	0.25	0.27	0.28	0.25	0.24
CarTech UltraFine® FeSiAl	0.15	0.16	0.17	0.19	0.16	0.18	0.15	0.13	0.13
CarTech UltraFine® H13	0.34	0.36	0.41	0.40	0.33	0.35	0.44	0.41	0.33
CarTech UltraFine® M2	1.15	1.19	1.30	1.24	1.09	1.07	1.70	1.61	1.15
CarTech UltraFine® Mod FeSiAl	0.15	0.16	0.17	0.19	0.16	0.18	0.16	0.13	0.13
CarTech UltraFine® S7	0.26	0.27	0.30	0.29	0.25	0.28	0.31	0.29	0.24
CarTech UltraFine® SCM415	0.13	0.14	0.15	0.16	0.13	0.15	0.13	0.10	0.10
UltraFine® X2NiCoMo 18-9-5	1.56	1.65	1.77	1.52	1.25	1.20	2.38	2.32	1.90
CarTech UltraFine® X65Cr13	0.27	0.26	0.27	0.30	0.31	0.31	0.31	0.29	0.25
CarTech Micro-Melt® 65Fe35Co	0.93	1.20	1.84	1.52	0.77	0.26	1.94	1.98	1.65
CarTech Micro-Melt® 255N	0.95	0.94	0.94	0.89	0.92	0.93	1.26	1.23	0.99
CarTech Micro-Melt® 431 FM	0.40	0.39	0.39	0.41	0.43	0.43	0.51	0.48	0.40
CarTech Micro-Melt® 21-6-9	0.69	0.66	0.65	0.64	0.68	0.68	0.91	0.87	0.73
CarTech Micro-Melt® 9310	0.30	0.31	0.31	0.30	0.27	0.30	0.39	0.35	0.31
CarTech UltraFine® Fe-3Si	0.12	0.13	0.14	0.15	0.12	0.14	0.12	0.09	0.09
CarTech UltraFine® SKH57	2.02	2.13	2.45	2.31	1.91	1.68	3.11	2.98	2.25
CarTech UltraFine® Fe-6Si	0.11	0.12	0.14	0.15	0.11	0.14	0.12	0.09	0.09
CarTech UltraFine® F15	1.94	2.04	2.21	1.91	1.52	1.34	3.10	3.01	2.55
CarTech UltraFine® 347	0.86	0.83	0.78	0.76	0.78	0.80	1.17	1.11	0.94
CarTech UltraFine® Fe-18Cr	0.31	0.30	0.31	0.34	0.37	0.36	0.37	0.35	0.29
CarTech UltraFine® 4140	0.15	0.16	0.17	0.18	0.15	0.17	0.16	0.13	0.13
CarTech UltraFine® VeKo25Cr	1.38	1.43	1.62	1.57	1.38	1.31	2.02	1.92	1.43
CarTech UltraFine® 4140 MA	0.20	0.21	0.23	0.23	0.20	0.23	0.23	0.21	0.18
CarTech UltraFine® HK30	1.54	1.48	1.41	1.35	1.40	1.40	2.12	2.02	1.72
CarTech UltraFine® Fe-42Ni	2.20	2.15	1.95	1.75	1.69	1.80	3.17	3.01	2.57
CarTech UltraFine® 218	1.16	1.14	1.12	1.05	1.07	1.09	1.60	1.54	1.26
CarTech Micro-Melt® 7570	1.70	1.75	1.83	1.69	1.60	1.62	2.38	2.30	1.68
CarTech Micro-Melt Invar 36®	1.89	1.85	1.68	1.51	1.46	1.55	2.71	2.58	2.20
CarTech Micro-Melt® Alloy 1	0.81	0.80	0.77	0.73	0.72	0.75	1.10	1.05	0.87
CarTech Micro-Melt® EN25	0.30	0.30	0.31	0.30	0.26	0.29	0.37	0.34	0.30
CarTech Micro-Melt® PWC7	1.79	1.82	2.20	2.18	1.94	1.79	2.60	2.52	1.93
CarTech Micro-Melt® 4304-2	0.84	0.81	0.77	0.75	0.78	0.79	1.14	1.09	0.92
CarTech Micro-Melt® BSEC510	0.21	0.22	0.23	0.23	0.19	0.22	0.24	0.22	0.19
CarTech Micro-Melt® P21 Mod	0.35	0.35	0.35	0.34	0.30	0.33	0.45	0.42	0.36
CarTech Micro-Melt® 177-1	0.66	0.63	0.61	0.60	0.62	0.63	0.88	0.83	0.70
CarTech Micro-Melt® FeCoMo	1.90	2.09	2.42	2.01	1.55	1.45	2.96	2.94	2.29
CarTech Micro-Melt® 13Cr-8Ni	0.81	0.81	0.80	0.74	0.73	0.76	1.11	1.06	0.87
CarTech Micro-Melt® FeCrWTi	0.57	0.57	0.58	0.60	0.58	0.56	0.76	0.70	0.55

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Raw Material and Energy Powder Surcharges 2020 - USD/lb.
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CarTech Micro-Melt® 316L Mod-1	1.01	0.97	0.92	0.88	0.90	0.92	1.39	1.33	1.12
CarTech Micro-Melt® 316L Mod-2	1.01	0.97	0.92	0.87	0.90	0.92	1.39	1.32	1.12
CarTech Micro-Melt® 316L Mod-3	1.41	1.35	1.26	1.19	1.24	1.26	1.96	1.87	1.58
CarTech Micro-Melt® C300	1.57	1.65	1.77	1.52	1.25	1.20	2.39	2.33	1.90
CarTech Micro-Melt® 420-CW Mod	1.13	1.16	1.44	1.45	1.25	1.14	1.68	1.65	1.21
Micro-Melt Ferrium® PH48S	0.97	1.01	1.12	1.01	0.84	0.76	1.47	1.43	1.18
CarTech Micro-Melt® Fe-10Ni	0.63	0.63	0.59	0.55	0.51	0.55	0.87	0.81	0.70
Micro-Melt Ferrium® C64	1.05	1.18	1.46	1.25	0.88	0.67	1.77	1.75	1.45
CarTech Micro-Melt® SA508 Gr4N	0.36	0.37	0.37	0.35	0.32	0.35	0.47	0.44	0.37
CarTech UltraFine® 17Cr-4Ni Ar	0.66	0.64	0.63	0.62	0.64	0.65	0.82	0.78	0.67
CarTech Micro-Melt® HTMO	0.63	0.61	0.60	0.59	0.60	0.61	0.78	0.75	0.64
CarTech Micro-Melt® 1.2709	1.61	1.69	1.81	1.55	1.28	1.24	2.44	2.38	1.94
CarTech Micro-Melt® NitroMaxx	0.75	0.73	0.74	0.72	0.76	0.76	1.00	0.97	0.78
CarTech Micro-Melt® M152	0.53	0.53	0.55	0.53	0.52	0.53	0.69	0.67	0.53
CarTech Micro-Melt® FeCrAlTi	0.36	0.34	0.34	0.38	0.40	0.39	0.42	0.40	0.34
CarTech Micro-Melt® SHS8000	0.94	0.95	1.04	1.01	1.03	1.00	1.20	1.12	0.95
CarTech UltraFine® 13Cr-8Ni	0.82	0.81	0.80	0.75	0.73	0.76	1.11	1.07	0.87
CarTech UltraFine® 42CrMo4	0.15	0.16	0.17	0.18	0.15	0.17	0.16	0.13	0.13
UltraFine® BioDur 108 low Ni	0.49	0.47	0.52	0.51	0.57	0.56	0.60	0.59	0.48
CarTech UltraFine® 420	0.41	0.41	0.44	0.47	0.48	0.47	0.50	0.45	0.41
CarTech UltraFine BioDur® 108	0.49	0.47	0.52	0.51	0.57	0.56	0.60	0.59	0.48
CarTech UltraFine Custom 465®	0.87	0.86	0.82	0.77	0.76	0.78	1.19	1.14	0.95
CarTech UltraFine® Fe10Mn3Si	0.15	0.16	0.18	0.18	0.16	0.18	0.16	0.13	0.13
CarTech UltraFine® 440A	0.30	0.29	0.30	0.33	0.36	0.35	0.36	0.34	0.28
CarTech UltraFine® 15Cr-5Ni	0.62	0.60	0.58	0.58	0.59	0.60	0.77	0.73	0.64
CarTech UltraFine® X20Cr13	0.27	0.26	0.27	0.30	0.31	0.31	0.31	0.29	0.25
CarTech UltraFine® S5	0.18	0.19	0.21	0.21	0.17	0.20	0.20	0.18	0.15
CarTech UltraFine® FeCoSiNbBCu	1.41	1.63	2.28	1.99	1.36	0.86	2.42	2.35	2.06
CarTech UltraFine® 18Ni300	1.58	1.66	1.78	1.53	1.26	1.21	2.41	2.35	1.92
CarTech UltraFine® Fe6.5Si5Cr	0.17	0.17	0.18	0.20	0.18	0.20	0.19	0.16	0.15
CarTech UltraFine Custom 455®	0.75	0.73	0.70	0.68	0.68	0.69	0.99	0.94	0.81
CarTech UltraFine Custom 475®	1.19	1.27	1.43	1.25	1.03	0.95	1.81	1.78	1.43
CarTech UltraFine® FeSiNbCuB	0.72	0.73	0.83	0.83	0.82	0.78	0.87	0.74	0.74
UltraFine Hi Permeability 49®	2.49	2.43	2.20	1.96	1.91	2.03	3.59	3.41	2.91
CarTech UltraFine® X25CrMo14	0.35	0.35	0.37	0.38	0.39	0.39	0.43	0.41	0.33
CarTech UltraFine® A2	0.29	0.30	0.33	0.33	0.30	0.32	0.36	0.34	0.27
CarTech UltraFine® 303	0.81	0.78	0.75	0.73	0.75	0.76	1.09	1.04	0.87
CarTech UltraFine® FeCo35	0.93	1.20	1.84	1.52	0.77	0.26	1.94	1.98	1.65
CarTech UltraFine® 440C	0.30	0.29	0.30	0.33	0.36	0.35	0.36	0.34	0.28
CarTech UltraFine® 420Mod	1.06	1.08	1.35	1.38	1.19	1.07	1.57	1.54	1.14
CarTech Micro-Melt® 9043	1.33	1.38	1.51	1.43	1.26	1.24	1.91	1.82	1.34

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Raw Material and Energy Powder Surcharges 2020 - USD/lb.
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CarTech Micro-Melt® AF9628	0.25	0.27	0.28	0.27	0.23	0.26	0.31	0.28	0.24
MS-1(N)	1.60	1.68	1.80	1.54	1.27	1.23	2.43	2.37	1.93
CarTech Micro-Melt NiMark® 350	1.65	1.75	1.93	1.65	1.32	1.23	2.57	2.51	2.05
CarTech UltraFine® 316L Mod	1.11	1.12	1.08	0.97	0.91	0.98	1.53	1.46	1.21
CarTech Micro-Melt® 416	0.30	0.30	0.31	0.33	0.34	0.34	0.37	0.34	0.29
CarTech Micro-Melt® 30CD12	0.18	0.20	0.21	0.22	0.18	0.20	0.20	0.18	0.16
CarTech Micro-Melt® Wear 26	0.49	0.51	0.59	0.58	0.50	0.50	0.65	0.61	0.49
CarTech Micro-Melt® Wear 20	0.62	0.65	0.79	0.78	0.66	0.63	0.89	0.84	0.65

Tungsten/Nickel-based (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt® Amega NM	7.13	7.12	6.99	6.66	6.29	6.14	10.39	9.74	7.48			
CarTech Micro-Melt® NT-60	8.30	8.24	8.05	7.85	7.41	7.09	12.14	11.27	8.66			
CarTech Micro-Melt® NT-60KS	7.99	7.94	7.75	7.55	7.13	6.83	11.70	10.86	8.35			
CarTech Micro-Melt® NT-60SP	8.15	8.10	7.91	7.72	7.29	6.97	11.93	11.08	8.49			
CarTech Micro-Melt® NT-70SP	8.68	8.65	8.52	8.38	7.88	7.47	12.72	11.77	8.93			
CarTech Micro-Melt® NT-65	8.51	8.46	8.30	8.13	7.66	7.30	12.45	11.54	8.80			
CarTech Micro-Melt® NT-50 SPH	7.75	7.69	7.47	7.24	6.85	6.60	11.34	10.55	8.16			

Other (powder products)

Alloy Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CarTech Micro-Melt® Pyrowear 53	0.50	0.53	0.56	0.49	0.43	0.48	0.65	0.62	0.50			
Micro-Melt® Glass Sealing 18	0.22	0.23	0.24	0.25	0.23	0.25	0.23	0.20	0.20			
CarTech UltraFine® 1.4923	0.61	0.62	0.72	0.73	0.66	0.63	0.85	0.82	0.63			
CarTech Micro-Melt® 901	2.62	2.61	2.45	2.14	2.05	2.19	3.77	3.62	2.99			
CarTech Micro-Melt® 5120	0.13	0.14	0.16	0.17	0.13	0.16	0.13	0.11	0.11			
CarTech UltraFine® 1.4848	1.38	1.33	1.24	1.18	1.22	1.24	1.93	1.85	1.55			

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