

Type	Filler(s)	Texture / Viscosity	Colour	Viscosity of the Mixture (mPa·s)	Density of the Mixture (g/cm³)	Max. Layer Thickness (mm)	Pot Life @ 20°C (500g)	Cure Time in Hours		Tensile Strength (MPa)	E-Modul (Tensile) (MPa)	Compressive Strength (MPa)	Flexural Strength (MPa)	Hardness Shore D (±3)	Shrinkage (%)	Thermoforming Resistance (°C)	Temperature Resistance (°C)
								50%	100%								
Plastic Metal A	Steel	Pasty	Dark Grey	1,000,000	3.4	30	60	7	24	40	7,900 - 8,100	80	34	80	0.01	+65	-35 to +120
Plastic Metal B	Steel	Viscous	Dark Grey	200,000	4.1	30	90	24	48-72	34	4,500 - 4,700	110	52	77	0.25	+65	-35 to +120
Plastic Metal BR	Bronze	Pasty	Bronze, Metal	750,000	1.8	12	60	6	12	55	7,000 - 7,200	91	35	87	0.28	+50	-35 to +120
Plastic Metal C	Aluminium	Flowable	Grey	25,000	1.6	60	60	10	24*	48	6,700 - 6,900	140	77	84	0.1	+60 / +130°C	-35 to +220*
Plastic Metal Ceramic BL	Silicium Carbide, Zirconium Silicate	Viscous, Flowable	Blue	23,000	1.8	10	55	8	12	59	7,100 - 7,300	116	80	90	0.13	+55	-35 to +180
Plastic Metal Ceramic W	Mineral	Pasty	White	600,000	1.6	10	120	9	24*	65	8,000 - 8,400	89	10	87	0.12	+150*	-35 to +200 +260 Short-Term*
Plastic Metal F	Aluminium	Pasty	Aluminium, Metal	880,000	1.7	10	60	10	24	38	6,400 - 6,600	61	37	80	0.11	+60	-35 to +120
Plastic Metal F2	Aluminium	Flowable	Aluminium, Metal	200,000	1.6	10	60	26	72	31	3,200 - 3,400	39	26	77	0.16	+55	-35 to +120
Plastic Metal GL	Mineral	Flowable	Green	13,000	1.3	10	30	16	24	59	3,300 - 3,700	99	29	85	0.19	+125	-35 to +180
Plastic Metal HB 300	Steel	Pasty	Dark Grey	1,700,000	2.5	20	30	10	24*	50	7,000 - 7,200	100	42	85	0.15	+100*	-35 to +200 +280 Short-Term
Plastic Metal HP	Mineral	Pasty	White	550,000	1.5	10	30	12	36	31	1,800 - 2,000	65	50	75	0.12	+65	-35 to +160
Plastic Metal SF	Steel	Pasty	Dark Grey	800,000	1.8	10	5	1	6	37	3,500 - 4,500	52	41	82	0.82	+40	-35 to +90
Plastic Metal ST	Stainless Steel	Pasty	Light Grey	550,000	1.7	10	60	9	12	48	7,300 - 7,900	96	38	85	0.14	+50	-35 to +120
Plastic Metal TI	Titanium	Pasty	Grey	550,000	1.6	10	120	9	16*	53	6,200 - 6,800	66	10	83	0.09	+150*	-35 to +200 +260 Short-Term*
Plastic Metal UW	Glass, Mineral	Pasty	White	670,000	1.4	12	20	4	16	28	2,200 - 2,500	57	38	75	0.24	+45	-35 to +120
Plastic Metal WP	Ceramic	Pasty	Grey	900,000	2.2	20	30	12	36	23	2,500 - 2,900	51	35	75	0.11	+65	-35 to +120
Plastic Metal WR	Steel	Liquid	Black	4,000 - 5,000	2.4	10	40	7	16	46	4,900 - 5,300	100	85	83	0.06	+55	-35 to +120
Plastic Metal WR2	Mineral	Pasty	Black	560,000	1.6	20	45	12	24	39	6,300 - 6,700	71	39	82	0.01	+55	-35 to +120
Epoxy Casting Resin MS 1000	None	Liquid	Transparent, Slight Inherent Colour	1,200	1.1	10	20	16	24	57	2,800 - 3,000	60	28	78	0.07	+50	-35 to +120

For workshops and maintenance departments in all industries, Plastic Metal is the ideal product for:

- REPAIRS ON ALUMINIUM AND LIGHT ALLOY
- RECONDITIONING & REPAIRING CASTINGS, PIPES & TANKS
- FILLING BLOWHOLES & MICROPOROSITIES
- WORKING OVER SHAFTS, SLIDING BEARINGS, PUMPS & HOUSINGS
- WELDING WITHOUT PREHEATING (WHEREVER WELDING IS PROBLEMATIC)
- MAKING MOULDS FOR RUBBER & INJECTION MOULDED PARTS
- LINING OF TOOLS, DIE MAKING & MUCH MORE.

*After Tempering (Refer to the TDS)



Add Hardener to Resin

Mix (Bubble Free)

Apply