

MONOPRICE 3D PRINTING FILAMENT

All Filament Diameter: 1.75 ± .05mm

Filament Types	Monoprice PLA	Monoprice PLA+	Monoprice ABS	Monoprice ABS+	Monoprice PETG	MP Smoothable	MP Bronze Fill	MP Copper Fill	MP Steel Fill	MP Flexible	MP Low Temp	MP High Flow	MP Wood
Print Temp (°C)	190-210	205-225	220-260	220-260	230-250	190-210	180-210	200-220	200-220	210-230	80-110	220-260	190-220
Bed Temp (°C)	No Heat (60-80)	No Heat (60-80)	110	110	No Heat (80)	45-55	No Heat (60)	40	40	No Heat	45	70-110	No Heat (80)
Density (g/cm³)	1.24	1.24	1.04	1.06	1.23	–	1.27	2.46	2.46	1.14	1.33	1.0	0.70
Distortion Temp (°C, 0.45 MPa)	56	52	78	73	64	63.5	50	52	48	–	51	105	45
Melt Flow Index (g/10 min)	5(190°C/ 2.16kg)	2(190°C/ 2.16kg)	12(220°C/ 10kg)	15(220°C/ 10kg)	20(250°C/ 2.16kg)	4-6(190°C/ 2.16kg)	62(190°C/ 2.16kg)	–	14(190°C/ 2.16kg)	–	24(110°C/ 2.16kg)	10-15(220°C/ 10kg)	15(190°C/ 2.16kg)
Tensile Strength (MPa)	65	60	43	40	49	46.16	66	40	42	32	17	50	–
Elongation at Break (%)	8	29	22	30	228	273.14	16	4	11	420	228	30	–
Bending Strength (MPa)	97	87	66	68	68	71.41	106	64	52	–	25	35	–
Flexural Modulus (MPa)	3600	3642	2348	2443	2027	2799.32	4442	4954	4520	–	849	4300	–
IZOD Impact Strength (kJ/m²)	4	7	19	42	8	4.39	4	4	7	–	23	19	–