

TECHNICAL DATA SHEET FOR PRODUCT: PMMA FILAMENT

Use	is a material for the FDM (FFF) 3D printing additive technology		
Material	Polymethylmethacrylate, petroleum product		
Diameters	1,75 mm		
Tolerance	± 0,1 mm		
Weight	0,5 kg netto ± 5% / 0,7 kg brutto ± 5%		
Packing	spool in Vacuum ZIP bag, inserting to paper box, all in LDPE foil		
Colours	views on web https://www.filament-pm.com/pmma		
Solvents	Chlorinated solvents, Aromatic solvents, Esters		
Printing Properties:			
Temperature HE	220– 250 °C		
Temperature HB	110 °C		
Surface bed	kapton, ultem,		
Cooling print object	NO		
Nozzle	All diameters		
Printer space	Close		
Material Properties for TPE88:			
Thermal	vicat softening temperature	ISO 306	108 °C
	heat deflection temperature	ISO 75	100 °C
Mechanical	impact strength	ISO 179	11 kJ/m²
	flexural modulus	ISO 178	3300 MPa
Physical	Density	ISO 1183/B	1,17 g/cm³
	Melt Flow Index	ISO 1133	13 g/10 min
Optical	Refractive Index	ISO R-489	1,49
	UV stabilition	-	YES