

EKO MB S.R.O.

TECHNICAL DATA SHEET FOR PRODUCT: PET-A FILAMENT

Use	is a material for the FDM (FFF) 3D printing additive technology		
Material	Polyetylentefetalat - polyester, petroleum product		
Diameters	1,75 or 2,85 mm		
Tolerance	± 0,05 mm		
Weight	0,5 kg netto ± 5% / 0,7 kg brutto ± 5%		
	1,0 kg netto ± 5% / 1,3 kg brutto ± 5%		
	2,0 kg netto ± 5% / 2,4 kg brutto ± 5%		
Packing	spool in Vacuum bag, inserting to paper box, all in LDPE foil		
Colours	views on web		
Solvents	Acetaldehyde, benzene		
Printing Properties:			
Temperature HE	240 – 260 °C		
Temperature HB	60 - 80 °C		
Surface bed	kapton, ultem, PET foil, commons for FDM printing		
Cooling print object	YES		
Nozzle	All diameters		
Printer space	Open / Close		
Material Properties:			
Thermal	vicat softening temperature	ISO 306	85 °C
	heat deflection temperature	ISO 75	70 °C
Mechanical	impact strength	ISO 179	12 kJ/m ²
	flexural modulus	ISO 178	1850 MPa
Physical	Density	ISO 1183/B	1,35 g/cm ³
	Melt Flow Index	ISO 1133	10 g/10 min