

TECHNICAL DATA SHEET FOR PRODUCT: ABS FILAMENT

Use	is a material for the FDM (FFF) 3D printing additive technology		
Material	Acrylonitrilbutadienstyrene, petroleum product		
Diameters	1,75 or 2,90 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%		
Packing	spool in Vacuum ZIP bag, inserting to paper box, all in LDPE foil		
Colours	views on web https://www.filament-pm.com/abs-not-dead		
Solvents	Acetone		
Printing Properties:			
Temperature HE	220 – 250 °C		
Temperature HB	100 °C		
Surface bed	kapton, ultem, PET foil, commons for FDM printing		
Cooling print object	NO		
Nozzle	All diameters		
Printer space	Open / Close		
Material Properties:			
Thermal	vicat softening temperature	ISO 306	94 °C
	heat deflection temperature	ISO 75	89 °C
Mechanical	impact strength	ISO 179	20 kJ/m²
	flexural modulus	ISO 178	1800 MPa
Physical	Density	ISO 1183/B	1,04 g/cm³
	Melt Flow Index	ISO 1133	40 g/10 min