

TECHNICAL DATE SHEET

ABS

Acrylonitrile-butadiene-styrene - copolymer >90%

PROPERTIES

PROPERTIES	VALUE	METOD AND CONDICTION	
PHYSICAL & MECHANICAL	Density	1,05 g/cm3	ISO 1183/b
	Yield Stress	35 Mpa	ISO 527-1,2
	Tensile Modulus	1820 Mpa	ISO 527-1,2
	Flexural Strength	58 MPa	ISO 178
	Izod notched impact strength	23°C = 42 KJ/m2 / -30°C = 17 KJ/m2	ISO 180-1A
THERMAL	Heat deflection temperature	97 °C	ISO 75
	Burning behavior	HB	UL 94

SUGGESTED PRINTER SETTING

	VALUE	UNIT
Extruder Temperature	250 - 290	°C
Print Speed	30 - 60	mm/s
Printbed temperature	80 -100	°C
Drying Temperature	80 - 90	°C for 2-4 hr

PRODUCT DETAILS & CERTIFICATION

Diameter	1,75 mm 2,85 mm	Tolerance ± 0,05mm Tolerance ± 0,05mm
Major Benefits	<ul style="list-style-type: none"> - Super high impact - Polishable - Resistant to low temperature - Good printability and resolution - Post processable 	

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