



Technical Datasheet

Product Name: **ABS-HDX**

Descrizione: Acrylonitril-Butadiene-Styrene (ABS) copolymer for 3D printer

Property	Method	unit	Value
PHISICAL			
Density	ISO 1183-1	g/cm ³	1,05
Melt flow index (220°C, 10 kg)	ISO 1133-2	g/10'	7
MECHANICAL			
Tensile strain at yield (v=50mm/min)	ISO 527-1-2	%	40
Tensile stress at yield (v=50mm/min)	ISO 527-1-2	Mpa	45
Flexural modulus (v=5mm/min)	ISO 178	Mpa	2150
Flexural strenght	ISO 178	Mpa	70
Izod notched impact strenght (23°C)	ISO 180 1-A	Kj/m ²	2
DIMENSIONAL			
1,75 diameter tolerance		mm	+/-0,05
2,85 diameter tolerance		mm	+/-0,1
Roundness		%	> 97%
Net weight tolerance		%	+/-2%
THERMAL			
Vicat Soft.Temp. 5kg / 50 K/h	ISO 306	°C	100
OTHERS			
Flammability	UL-94	Class.	HB
Burning rate	ISO 3795	mm/min	< 100

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