



Tehnični list - Technical Datasheet

Poimenovanje / Product Name: **ABS-HDX**

Opis: Acrylonitrile- Butadiene-Stirene (ABS) kopolimer za 3D tiskalnik			
Descrizione: Acrylonitril-Butadiene-Styrene (ABS) copolymer for 3D printer			
Lasnosti Properties	Metoda Method	Merska enota unit	Vrednost Value
FIZIČNE / PHYSICAL			
Gostota Density	ISO 1183-1	g/cm ³	1,05
Index pretoka staljene snovi Melt flow index (220°C, 10 kg)	ISO 1133-2	g/10'	7
MEHANSKE / MECHANICAL			
Rastezek pod obremenitvijo Tensile strain at yield (v=50mm/min)	ISO 527-1-2	%	40
Natezna trdnost pod obremenitvijo Tensile stress at yield (v=50mm/min)	ISO 527-1-2	Mpa	45
Upogibni modul Flexural modulus (v=5mm/min)	ISO 178	Mpa	2150
Upogibna obremenitev Flexural strength	ISO 178	Mpa	70
Zarezna udarna trdnost izod Izod notched impact strength (23°C)	ISO 180 1-A	Kj/m ²	2
DIMENZISKE / DIMENSIONAL			
Odstopanje premera 1,75 1,75 diameter tolerance		mm	+/-0,05
Odstopanje premera 2,85 2,85 diameter tolerance		mm	+/-0,1
Okroglost Roundness		%	> 97%
Neto teža toleranca Net weight tolerance		%	+/-2%
TERMIČNE / THERMAL			
Vicat temperatura mehčanja Vicat Soft.Temp. 5kg / 50 K/h	ISO 306	°C	100
DRUGO / OTHERS			
Vnetljivost Flammability	UL-94	Class.	HB
Hitrost gorenja Burning rate	ISO 3795	mm/min	< 100

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