TECHNICAL DATA SHEET

EasyFil HIPS

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Product specifications
EasyFil HIPS is a versatile high-performance Polystyrene type of 3D printer filament that can be used for 3D printing light and durable parts with a matt surface finish.
Flammability rating: UL94 HB

Important key features
Very limited warping
High impact resistance
Light-weight and durable

Suitable applications
Heavy industry
Retail displays
Art & Graphics

Recommended pretreatment

Drying	Not necessary
	40 - 50 °C
	24 h

Print with	
Enclosure	No
Dry box	No

Recommended print settings regular speed

Print speed	25 - 100 mm/s
Nozzle temperature	230 - 245 °C
Bed temperature	80 - 100 °C
Fan speed	0 - 35 %

Material properties	Typical value	Unit of Measure	Test method	Test condition
Density	1,05	g/cm3		
Specific gravity				
Melt flow rate	12	g/10min	ISO 1133	200°C/5kg
Mechanical properties				
Impact strenght	7	kJ/m2	ISO 179/2	Charpy notched 23°C
Tensile strenght at yield	16	MPa	ISO 527-2/5	
Tensile strenght at break	16	MPa	ISO 527-2/5	
Tensile modulus				
Elongation at yield				
Elongation at break				
Flexural strenght	50	MPa	ISO 178	
Flexural modulus	2000	MPa	ISO 178	
Rockwell hardness	55 R scale			
Thermal properties				
Melting temperature				
Heat deflection temperature	88	°C	ISO 75-2/B	HDT A
Vicat softening temperature	87	°C	ISO 306/B50	
Glass transition temperature				

Product export information

HS code	Description	Origin
39169090	Monofilament for 3D printing	European Union

Disclaimer

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