

TECHNICAL DATA SHEET

EasyFil ABS - Glow in the Dark

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Product specifications

EasyFil ABS – Glow in the Dark offers all properties of EasyFil ABS, but with a unsurpassed bright green glow in the dark color effect.

Flammability rating: UL94 HB

Important key features

Superb process stability and limited warping
Significant higher impact resistance than average ABS
Very strong and durable

Suitable applications

Home deco
Art
Signage

Recommended pretreatment

Drying

Not necessary
40 - 40 °C
6 h

Print with

Enclosure No
Dry box No

Recommended print settings regular speed

Print speed 25 - 100 mm/s
Nozzle temperature 230 - 255 °C
Bed temperature 100 - 100 °C
Fan speed 0 - 35 %

Material properties

	Typical value	Unit of Measure	Test method	Test condition
Density				
Specific gravity	1,05	g/cm ³	ASTM D792	
Melt flow rate	21	g/10min	ASTM D1238	220°C/10kg

Mechanical properties

Impact strenght	33	kgcm/cm	ASTM D256	Izod notched 23°C
Tensile strenght at yield	460	kg/cm ²	ASTM D638	
Tensile strenght at break				
Tensile modulus				
Elongation at yield				
Elongation at break	10	%	ASTM D638	
Flexural strenght	740	kg/cm ²	ASTM D790	
Flexural modulus	25000	kg/cm ²	ASTM D790	
Rockwell hardness	108 R scale			

Thermal properties

Melting temperature				
Heat deflection temperature	85	°C	ASTM D648	HDT A
Vicat softening temperature	93	°C	ASTM D1525	
Glass transition temperature				

Product export information

HS code

39169090

Description

Monofilament for 3D printing

Origin

European Union

Disclaimer

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