

# TECHNICAL DATA SHEET

## EasyFil ABS

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### Product specifications

EasyFil ABS is an advanced and relatively easy to process ABS type of 3D printer filament that offers improved mechanical properties compared to regular ABS filaments.

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

Automotive  
Aviation & Heavy industry  
Tools & Electronics

### 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 <sup>3</sup>	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 <sup>2</sup>	ASTM D638	
Tensile strenght at break				
Tensile modulus				
Elongation at yield				
Elongation at break	10	%	ASTM D638	
Flexural strenght	740	kg/cm <sup>2</sup>	ASTM D790	
Flexural modulus	25000	kg/cm <sup>2</sup>	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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