

EVO-tech ABS-FR (Flameresistance) Filament

Description

ABS filament is made of high flow acrylonitrile butadiene styrene (ABS) pellets with Additive for Flame resistance.

Application

For application with Fire resistant approval .

Storage and Shelf Life

Store at around room temperature (18 to 27 °C [65–80 °F]) and protect from direct heat or sunlight. Keep sealed in an air tight container, away from humidity.

True Colours Available

Color: ivory and black



Values refer to the raw material and may vary depending on the printing direction or settings

Properties	Test Condition	Test Method	Unit	Value
Tensile Strength	5 mm/min	ISO527-1	N/mm ²	40
Strain at Break	5 mm/min	ISO527-1	%	8
Flexural Modulus	1 mm/min	ISO527-1	N/mm ²	2300
Notched Impact Strength	23°C	ISO179/1eA	kJ/m ²	7
Heat Distortion Temperature	80x10x4 s=60mm	ISO75-1 A	°C	80
MVR	220°C / 10 kg	ISO 1133	cm ³ /10min	50
Oxygen Index		ASTM D 2863	%	28
Flammability rating 3.00 mm thickness		UL 94		V-0
Flammability rating 1.50 mm thickness		UL 94		V-0
Flammability rating 0.75 mm thickness		UL 94		V-2
GWFI - Glow Wire Flammability Index				960°C/1mm
		IEC 60695-2-12	°C	960°C/2mm
GWIT - Glow Wire Ignition Test				850°C/1mm
		IEC 60695-2-13	°C	725°C/2mm

Print Settings EVOlizer

Extruder: 220 – 260 °C

Heatbed: 90 – 100 °C

Print on. EVO-tech Printbed

Max. Moisture Content: < 0,2 %

Pre Drying: 80°C / 3 h