

EVO-tech ABS Filament

Description

ABS filament is made of high flow acrylonitrile butadiene styrene (ABS) pellets.

Application

Its strength, flexibility, machinability, and higher temperature resistance make it often a preferred plastic by engineers and those with mechanical uses in mind.



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



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 3,2mm @ Yield	50mm/min	ASTM D638	kg/cm ²	430
Tensile Elongation 3,2mm @ Break	50mm/min	ASTM D638	%	30
Flexural Modulus	15mm/min	ASTM D790	kg/cm ²	24500
Flexural Strength	15mm/min	ASTM D790	kg/cm ²	700
Izod Impact Strength	23°C and -30°C	ASTM D256	kg*cm/cm	25 and 12
Hardness	R-Scale	ASTM D785	-	105
Heat Defelction Temperature	-	ASTM D785	°C	95
Specific Gravity	220°C/10kg	ASTM D1238	g/cm ³	1,08

Print Settings EVOlizer

Extruder: 220 – 240 °C

Heatbed: 80 – 100 °C

Print on. EVO-tech Printbed

Shrinkage: less then 0,7 %