

EVO-tech ASA Filament

Description

Printouts with ASA (Acrylester-Styrol-Acrylnitril) filament form a high-quality, scratch-resistant surface. ASA is very resistant to many chemicals and weather resistant. Also UV light can expose the quality ASA media nothing.

ASA know compared to ABS to a higher heat distortion temperature. Thanks to this outstanding dimensional stability ASA Filament is perfect for e.g. technical components suitable



Application

Outdoor use, Technical Parts, functional Modells

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: white

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	50mm/min	ASTM D638	kgf/cm ²	390
Tensile Elongation	50mm/min	ASTM D638	%	3,5
Flexural Modulus	1,3mm/min	ASTM D638	kgf/cm ²	18900
Flexural Strength	1,3mm/min	ASTM D638	kgf/cm ²	580
Izod Impact Strength	23°C	ISO 180	kJ/m ²	25
Heat Distortion Temperature	1,82 Mpa	ISO 75-2	°C	74
Vicat Softening Temperature		ISO306	°C	100
Specific Gravity		ISO1183	g/cm ³	1,07
Shrinkage			%	0,5 - 0,7
MVR	220°C / 10.0 kg	ISO1133	g/10min	6

Print Settings EVOLizer

Extruder: 235 – 260 °C

Heatbed: 90 – 100 °C

Print on. EVO-tech Printbed

Length on Roll: 290m / 0,75 kg