

Technical Data Sheet— Advanced ABS Filament

Advanced ABS Filament is a modified ABS filament of Silver 3D. It has better layer adhesion than normal ABS. Further, it can be proceed at lower temperature with less warpage.

Features	Application
<ul style="list-style-type: none"> • High Strength • Impact modified • Low Printing temperature • Low warpage 	<ul style="list-style-type: none"> • Cultural and creative • Toys • Gifts • Industrial

Physical	Typical Value	Unit	Method	Test Condition
Density	1.04	g/cm ³	ASTM D1505	23°C
Melt Flow Rate	30	g/10min	ASTM D1238	220°C/10KG

Mechanical	Typical Value	Unit	Method	Test Condition
Tensile Strength	47	MPa	ASTM D638	50mm/min
Elongation at Break	15	%	ASTM D638	50mm/min
Flexural Strength	70	MPa	ASTM D790	5mm/min
Flexural Modulus	2300	MPa	ASTM D790	5mm/min
Notched Izod Impact Strength	280	J/m	ASTM D256	23°C

Thermal	Typical Value	Unit	Method	Test Condition
Melting Temperature	/	°C	DSC	10°C/min
Printing Temperature	220-260	°C	/	/
Plate Temperature	80-100	°C	/	/
Heat Deflection Temperature	80	°C	ASTM D648	120°C/h, 0.45MPa

Notice The data contained in this document is based on trials carried out by our Research Centers. Properties are dependent upon process conditions and machine used, so these figures are only given for information.