

Technical Data Sheet— Conductive ABS Filament

Features	Application
<ul style="list-style-type: none"> ● Conductive ● Impact modified ● Heat-resistant ● Low warpage 	<ul style="list-style-type: none"> ● Cultural and creative ● Toys ● Gifts ● Industrial

Physical	Typical Value	Unit	Method	Test Condition
Density	1.059	g/cm ³	ASTM D1505	23°C
Melt Flow Rate	2.88	g/10min	ASTM D1238	220°C/10KG

Mechanical	Typical Value	Unit	Method	Test Condition
Tensile Strength	25	MPa	ASTM D638	50mm/min
Elongation at Break	3	%	ASTM D638	50mm/min
Flexural Strength	34	MPa	ASTM D790	5mm/min
Flexural Modulus	1421	MPa	ASTM D790	5mm/min
Notched Izod Impact Strength	95	J/m	ASTM D256	23°C

Thermal	Typical Value	Unit	Method	Test Condition
Melting Temperature	124	°C	DSC	10°C/min
Heat Deflection Temperature	91	°C	ASTM D648	120°C/h, 0.45MPa
Printing Temperature	220-260	°C	/	/
Bed Temperature	100-110	°C	/	/

Electrical	Typical Value	Unit	Method	Test Condition
Surface resistivity	10 ³ -10 ⁴	Ω	/	/

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.