

# ABS-ESD filament Technical Data Sheet

Features	Application
Anti-static Carbon nanotube filled High strength Low warpage	Cultural and creative Toys Gifts Industrial

Physical	Typical Value	Unit	Method	Test Condition
Density	1.08	g/cm <sup>3</sup>	ASTM D1505	23
Melt Flow Rate	30	g/10min	ASTM D1238	220 /10KG

Mechanical	Typical Value	Unit	Method	Test Condition
Tensile Strength	43	MPa	ASTM D638	50mm/min
Elongation at Break	5	%	ASTM D638	50mm/min
Flexural Strength	70	MPa	ASTM D790	5mm/min
Flexural Modulus	2300	MPa	ASTM D790	5mm/min
Notched Izod Impact Strength	80	J/m	ASTM D256	23

Thermal	Typical Value	Unit	Method	Test Condition
Melting Temperature	/		DSC	10 /min
Printing Temperature	220-260		/	/
Plate Temperature	80-100		/	/
Heat Deflection Temperature	80		ASTM D648	120 /h, 0.45MPa
Surface resistivity	10 <sup>6</sup>	/m	SilverAge Method	23

**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.