

# ECO Conductive ABS Filament Data Sheet

## Key Features

- 1 Electrically conductive
- 2 Good flowability
- 3 Good surface appearance
- 4 Good mechanical strength

Properties	Test Standard	Test Condition	S.I. Unit	Typical Value
<b>Mechanical</b>				
Tensile Strength	ISO 527-2	50mm/min	Mpa	24
Percent Elongation at break	ISO 527-2	50mm/min	%	10
Flexural Strength	ISO 178	2mm/min	Mpa	45
Flexural Modulus	ISO 178	2mm/min	Mpa	2000
Izod Notchec Impact Strength	ISO 180	23℃	kJ/m <sup>2</sup>	9
<b>Thermal</b>				
Temperature of Deflection under Load	ISO 75-2	1.8Mpa	℃	38
<b>Electrical</b>				
Surface Resistivity	ASTM D257	~	Ohm	10 <sup>3</sup> ~10 <sup>5</sup>
<b>Others</b>				
Density	ISO 1183-1	23℃	g/cm <sup>3</sup>	1.15
Melt Mass-flow Rate(MFR)	ISO 1133-1	200℃, 5Kg	g/10min	10
Flammability	UL94	3.00mm	Class	HB