

PolyOne Trilliant™ HC HC6600-0010 ESD Black Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Trilliant-HC-HC6600-0010-ESD-Black-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	138 MPa	20000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	3.59 GPa	521 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	6.89 GPa	999 ksi	ASTM D790
Izod Impact, Notched	0.270 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.506 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A
Izod Impact, Unnotched (ISO)	17.9 kJ/m²	8.52 ft-lb/in²	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm - 1e+05	10000 ohm-cm - 1e+05	ASTM D257
Surface Resistance	10000 ohm - 1e+05	10000 ohm - 1e+05	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	282 - 310 °C	540 - 590 °F	

Descriptive Properties	Value	Comments
Features	Good Chemical Resistance	
	High Stiffness	
	Semi Crystalline	

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
RoHS Compliance	RoHS Compliant	
Uses	Computer Components	
	Connectors	
	Consumer Applications	
	Electrical Housing	
	Electrical/Electronic Applications	
	Housings	
	Medical Device Housings	
	Medical/Healthcare Applications	
	Sporting Goods	

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