

Trilliant™ HC HC6600-0010 ESD Black

Polyamide 66
PolyOne Corporation

Message:

Trilliant™ HC HC6600-0010 ESD Black is a Polyamide 66 (Nylon 66) product filled with 10% carbon fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Trilliant™ HC HC6600-0010 ESD Black include electrical/electronic applications, housings, medical/healthcare, consumer goods and sporting goods.

Characteristics include:

- RoHS Compliant
- Chemical Resistant
- Crystalline
- High Stiffness

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Features	Good Chemical Resistance		
	High Stiffness		
	Semi Crystalline		
Uses	Computer Components		
	Connectors		
	Consumer Applications		
	Electrical Housing		
	Electrical/Electronic Applications		
	Housings		
	Medical Device Housings		
	Medical/Healthcare Applications		
	Sporting Goods		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3590	MPa	ASTM D638
Tensile Strength (Break)	138	MPa	ASTM D638
Tensile Elongation ² (Break)	4.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	27	J/m	ASTM D256A
Unnotched Izod Impact (Area)	17.9	kJ/m ²	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 to 1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+4 to 1.0E+5	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Processing (Melt) Temp	282 to 310	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		

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