

Trilliant™ HC HC7300-0013 ESD Black

Acrylonitrile Butadiene Styrene

PolyOne Corporation

Message:

Trilliant™ HC HC7300-0013 ESD Black is an Acrylonitrile Butadiene Styrene (ABS) product filled with 13% 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 HC7300-0013 ESD Black include electrical/electronic applications, housings and medical/healthcare.

Characteristics include:

- Flame Rated
- RoHS Compliant
- Conductive

General Information			
UL YellowCard	E76261-101515920		
Filler / Reinforcement	Carbon Fiber,13% Filler by Weight		
Features	Antistatic		
	Conductive		
	Electrically Conductive		
	Statically Conductive		
Uses	Computer Components		
	Connectors		
	Electrical Housing		
	Electrical/Electronic Applications		
	Housings		
	Medical Device Housings		
	Medical/Healthcare Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.050 to 0.20	%	
Across Flow	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	7720	MPa	ASTM D638
Tensile Strength (Break)	78.6	MPa	ASTM D638
Tensile Elongation ² (Break)	1.5	%	ASTM D638
Flexural Modulus	8620	MPa	ASTM D790
Flexural Strength	123	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	43	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	102	°C	
1.8 MPa, Unannealed, 6.35 mm	97.0	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+3 to 1.0E+5	ohms·cm	ASTM D257
Static Decay - (Mil-B-81705C), 12% RH, 5000 kV to 50 kV	2	msec	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	227 to 238	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

