

Electrafil® HIPS C BK

High Impact Polystyrene
Techmer Engineered Solutions

Message:

Electrafil® HIPS C BK is a High Impact Polystyrene product. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Conductive

General Information			
Features	Conductive		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	62.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	85	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	102	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Volume Resistivity	1.0E+3 to 1.0E+5	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information	Nominal Value		
TPCI #	7576148		

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

