

Westlake Plastics Absylux® CN-F Acrylonitrile-Butadiene-Styrene (conductive)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Carbon Black Filled

Material Notes:

Non-sloughing, carbon-fiber-filled material with high strength and stiffness; easily machined. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Absylux-CN-F-Acrylonitrile-Butadiene-Styrene-conductive.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Water Absorption	0.26 %	0.26 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	118.9 MPa	17250 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Flexural Strength	162 MPa	23500 psi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.87 J/cm	3.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	102 °C	215 °F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm - 1e+05	100 ohm-cm - 1e+05	Dry; ASTM D257
Surface Resistance	100 ohm - 1e+05	100 ohm - 1e+05	Dry; ASTM D257
Static Decay	<= 0.10 sec	<= 0.10 sec	15% RH; MIL-B-81705-B

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