

Westlake Plastics Absylux® SD-A Acrylonitrile-Butadiene-Styrene (anti-static)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Non-carbon filled anti-static material which has high impact strength, good tensile and flexural strength, and is easily machined. Available in natural or black, it can be easily thermoformed in thinner gauges, and is bondable with WELDON® 1707. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Absylux-SD-A-Acrylonitrile-Butadiene-Styrene-anti-static.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ASTM D792
Water Absorption	1.7 %	1.7 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ASTM D2240
Tensile Strength, Yield	34.5 MPa	5000 psi	ASTM D638
Elongation at Break	13 %	13 %	ASTM D638
Flexural Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790
Izod Impact, Notched	3.20 J/cm	6.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.8 °C	190 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C	160 °F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+9 - 1.00e+11 ohm-cm	1.00e+9 - 1.00e+11 ohm-cm	Dry; ASTM D257
Surface Resistance	1.00e+9 - 1.00e+11 ohm	1.00e+9 - 1.00e+11 ohm	Dry; ASTM D257
Static Decay	<= 0.30 sec	<= 0.30 sec	15% RH; MIL-B-81705-B

Electrical Properties	Metric	English	Comments
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