

Westlake Plastics Propylux® SD-X7 Polypropylene (static dissipative)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with Carbon Black Filler

Material Notes:

Low carbon black content (1-2%) reduces contamination problems from sloughing - clean room compatible. Also feature low leachable ion levels and low outgassing. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Propylux-SD-X7-Polypropylene-static-dissipative.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ASTM D792
Water Absorption	0.030 %	0.030 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.502 J/cm	0.940 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.63 J/cm	6.80 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	149 °C	300 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 - 1.00e+9 ohm-cm	1.00e+6 - 1.00e+9 ohm-cm	Dry; ASTM D257
Surface Resistance	1.00e+6 - 1.00e+9 ohm	1.00e+6 - 1.00e+9 ohm	Dry; ASTM D257

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