

## Westlake Plastics Propylux® SD-A Polypropylene (anti-static)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Non-carbon-filled, permanently static-dissipative material, with good chemical resistance and mechanical properties. This material is light weight, weldable, easily machined and fabricated, available in natural or black color, and has moderate transparency at thinner gauges.

Information provided by Westlake Plastics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Plastics-Propylux-SD-A-Polypropylene-anti-static.php](http://www.lookpolymers.com/polymer_Westlake-Plastics-Propylux-SD-A-Polypropylene-anti-static.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.0 %	1.0 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ASTM D2240
Tensile Strength, Yield	30.3 MPa	4400 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Strength	42.7 MPa	6200 psi	ASTM D790
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm	1.40 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)	108 °C	227 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	57.2 °C	135 °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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China