

## Westlake Plastics Norylux™ EN-265 Modified Polyphenylene Oxide

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Molded

### Material Notes:

Norylux modified PPO is a strong, engineering plastic with outstanding mechanical, thermal, and electric properties. Low moisture absorption and low thermal expansion make Norylux one of the most dimensionally stable thermoplastics available. It is used for a variety of structural applications including electrical housings, scientific instrumentation parts, and fluid handling components. Information provided by Westlake Plastics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Plastics-Norylux-EN-265-Modified-Polyphenylene-Oxide.php](http://www.lookpolymers.com/polymer_Westlake-Plastics-Norylux-EN-265-Modified-Polyphenylene-Oxide.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D7852
Tensile Strength, Yield	63.4 MPa	9200 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Yield Strength	99.3 MPa	14400 psi	ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	59.4 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	33.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	123 $^{\circ}\text{C}$	254 $^{\circ}\text{F}$	ASTM D648
Flammability, UL94	V-1	V-1	
	@Thickness 1.47 mm	@Thickness 0.0580 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.69	2.69	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	50.0 kV/mm	1270 kV/in	ASTM D149

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 60 Hz	@Frequency 60 Hz	ASTM D150

## Contact Songhan Plastic Technology Co.,Ltd.

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