

## Ashley Polymers Ashlene® P270WO PPO

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

**Material Notes:**

An extrusion grade for high temperature applications requiring flame retardancy as well as high mechanical strength and toughness such as electrical housings. Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-P270WO-PPO.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-P270WO-PPO.php)

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	64.0 MPa	9280 psi	ATSM D638
Flexural Strength	91.0 MPa	13200 psi	ASTM D790
Flexural Modulus	2.40 GPa	348 ksi	ASTM D790
Izod Impact, Notched	2.51 J/cm	4.70 ft-lb/in	ASTM D256
	1.23 J/cm @Temperature -40.0 °C	2.30 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	136 °C	277 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	264 °F	ASTM D648
Flammability, UL94	V-1 @Thickness 1.47 mm	V-1 @Thickness 0.0579 in	UL94

## Contact Songhan Plastic Technology Co.,Ltd.

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