

Ashley Polymers Ashlene® PPO Resin P259

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

Material Notes:

A high flow grade for applications requiring high impact strength and a high heat deflection temperature. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-PPO-Resin-P259.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792
Water Absorption	0.060 %	0.060 %	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	55.0 MPa	7980 psi	ATSM D638
Elongation at Yield	40 %	40 %	ASTM D638
Flexural Modulus	2.20 GPa	319 ksi	ASTM D790
Izod Impact, Notched	2.83 J/cm	5.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	181 °C	358 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	116 °C	241 °F	ASTM D648

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