

Ashley Polymers Ashlene® P284 PPE Alloy, 10% Glass Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 10% Glass Filled

Material Notes:

A 10% glass reinforced PPE Alloy for superior properties and chemical resistance with high heat resistance.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-P284-PPE-Alloy-10-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Water Absorption	0.50 %	0.50 %	ASTM D570
Linear Mold Shrinkage	0.0075 cm/cm	0.0075 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	86.0 MPa	12500 psi	ATSM D638
Elongation at Break	9.0 %	9.0 %	ASTM D638
Flexural Strength	136 MPa	19700 psi	ASTM D790
Flexural Modulus	3.50 GPa	508 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	399 °F	ASTM D648
Vicat Softening Point	239 °C	462 °F	ASTM D1525

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