

Ashley Polymers Ashlene® RH180ST Acetal

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, Unreinforced

Material Notes:

A high impact homopolymer resin.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-RH180ST-Acetal.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in³	ASTM D792
Water Absorption	0.30 %	0.30 %	ASTM D570
Moisture Absorption at Equilibrium	0.28 %	0.28 %	50% RH; ASTM D570
Melt Flow	1.0 g/10 min	1.0 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	54.0 MPa	7830 psi	ASTM D638
Elongation at Break	80 %	80 %	ASTM D638
Flexural Modulus	1.90 GPa	276 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	168 °C	334 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	ASTM D648

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