

Ashley Polymers Ashlene® R195B Acetal

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

Material Notes:

A general purpose, low viscosity with excellent toughness, strength, stiffness, lubricity in black. Available in UV stabilized grades: R195-B2 (good weatherability); R195-HB2 (maximum weatherability).Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-R195B-Acetal.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.22 %	0.22 %	ASTM D570
Linear Mold Shrinkage	0.022 cm/cm	0.022 in/in	ASTM D955
Melt Flow	25 - 28 g/10 min	25 - 28 g/10 min	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	18 %	18 %	ASTM D638
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.540 J/cm	1.01 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	158 °C	316 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ASTM D648

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