

## Ashley Polymers Ashlene® RH190-PF Acetal, PTFE Filled

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, PTFE-Filled

### Material Notes:

A wear-resistant grade homopolymer resin with 1.5% PTFE. Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ashley-Polymers-Ashlene-RH190-PF-Acetal-PTFE-Filled.php](http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-RH190-PF-Acetal-PTFE-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.19 %	0.19 %	ASTM D570
Moisture Absorption at Equilibrium	0.20 %	0.20 %	50% RH; ASTM D570
Melt Flow	6.0 g/10 min	6.0 g/10 min	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	69.0 MPa	10000 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Modulus	2.90 GPa	421 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	171 °C	340 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Constant	3.5 @Frequency 1000 Hz	3.5 @Frequency 1000 Hz	ASTM D150
Dissipation Factor	0.0060 @Frequency 1000 Hz	0.0060 @Frequency 1000 Hz	ASTM D150

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**