

Dow AFFINITY™ SM 1350 Polyolefin Plastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

AFFINITY® SM 1350 polyolefin plastomer is an alpha-olefin resin that offers excellent performance in durable injection molded housewares and compression molded closure liners or gaskets. It exhibits good optics and flexibility. It can be used in hot fill applications and allows the use of hot runner molds to enhance production automation. Its low specific gravity can help control resin and production costs, while reducing the weight of end products. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-AFFINITY-SM-1350-Polyolefin-Plastomer.php

Physical Properties	Metric	English	Comments
Density	0.913 g/cc	0.0330 lb/in ³	
Melt Flow	30 g/10 min @Load 2.16 kg	30 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 7.

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	96	96	
Tensile Strength, Yield	8.30 MPa	1200 psi	
Elongation at Break	700 %	700 %	
Modulus of Elasticity	0.178 GPa	25.8 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	0.239 GPa	34.7 ksi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	88.0 °C	190 °F	

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