

Dow AFFINITY™ SM 1300 Polyolefin Plastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

AFFINITY® SM 1300 polyolefin plastomer is an alpha-olefin resin that offers excellent performance in high clarity durable injection molded industrial and consumer goods and compression molded closure liners or gaskets. It exhibits excellent optics and flexibility, 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-1300-Polyolefin-Plastomer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 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	94	94	
Tensile Strength, Yield	5.90 MPa	856 psi	
Elongation at Break	940 %	940 %	
Modulus of Elasticity	0.0950 GPa	13.8 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	0.110 GPa	16.0 ksi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	74.0 °C	165 °F	

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