

Dow AFFINITY™ SM 8250 Polyolefin Plastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

AFFINITY® SM 8250 polyolefin plastomer is an alpha-olefin resin that offers excellent performance in injection molded clear or colored flexible durable parts. It exhibits excellent clarity and flexibility, excellent low temperature impact properties 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-8250-Polyolefin-Plastomer.php

Physical Properties	Metric	English	Comments
Density	0.885 g/cc	0.0320 lb/in ³	
Melt Flow	30 g/10 min @Load 2.16 kg	30 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Tensile Strength, Yield	2.50 MPa	363 psi	
Elongation at Break	>= 1000 %	>= 1000 %	
Modulus of Elasticity	0.0372 GPa	5.40 ksi	Molded Sample 2% Secant Modulus
Flexural Modulus	0.0400 GPa	5.80 ksi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	51.0 °C	124 °F	

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