

Dow AFFINITY™ EP 8500 Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

AFFINITY® EP 8500 polyolefin elastomer is a saturated ethylene-octene copolymer for clear extruded profiles and tubing applications. It exhibits excellent clarity, elasticity and flexibility for low modulus applications. Its low specific gravity can help in 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-EP-8500-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.870 g/cc	0.0314 lb/in³	
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	Ratio I10/I2 = 7

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	
Tensile Strength at Break	7.60 MPa	1100 psi	Tensile stress at break.
Elongation at Break	>= 1000 %	>= 1000 %	
Secant Modulus	0.0200 GPa	2.90 ksi	2% Secant Modulus

Thermal Properties	Metric	English	Comments
Vicat Softening Point	43.0 °C	109 °F	

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