

Dow AFFINITY™ EG 8150G Ethylene alpha-olefin copolymer

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

AFFINITY™ EG 8150G Polyolefin Plastomer (POP) is produced via INSITE™ Technology. It is a general purpose ethylene alpha-olefin copolymer exhibiting high flexibility and elasticity. It can be utilized in monolayer and coextruded films and in blends with other polyolefins to enhance clarity, sealability and toughness of the structure. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-AFFINITY-EG-8150G-Ethylene-alpha-olefin-copolymer.php

Physical Properties	Metric	English	Comments
Density	0.868 g/cc	0.0314 lb/in ³	ASTM D792
Mooney Viscosity	37 @Temperature 121 °C	37 @Temperature 250 °F	ML 1+4; ASTM D1646
Melt Flow	0.50 g/10 min	0.50 g/10 min	Melt Flow Ratio = 7.6 ($\frac{10}{2}$); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	ASTM D2240
Tensile Strength, Ultimate	8.96 MPa	1300 psi	ASTM D638
Tensile Strength, Yield	1.48 MPa	215 psi	ASTM D638
	6.62 MPa	960 psi	100% Secant; ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	56.0 °C	133 °F	Dow Method
Vicat Softening Point	<= 45.0 °C	<= 113 °F	ASTM D1525

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