

Dow AFFINITY™ EG 8100G Ethylene-octene copolymer

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

AFFINITY™ EG 8100G Polyolefin Plastomer (POP) is produced via INSITE™ Technology. It is a general purpose ethylene-octene 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-8100G-Ethylene-octene-copolymer.php

Physical Properties	Metric	English	Comments
Density	0.870 g/cc	0.0314 lb/in ³	ASTM D792
Mooney Viscosity	23.6 @Temperature 121 °C	23.6 @Temperature 250 °F	ML 1+4; ASTM D1646
Melt Flow	1.0 g/10 min	1.0 g/10 min	Melt Flow Ratio = 7.6 (I₁₀/I₂); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	ASTM D2240
Tensile Strength, Ultimate	10.60 MPa	1537 psi	ASTM D638
Tensile Strength, Yield	1.71 MPa	248 psi	ASTM D638
	6.12 MPa	887 psi	100% Secant; ASTM D638
Elongation at Break	1115 %	1115 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	55.0 °C	131 °F	Dow Method
Vicat Softening Point	42.8 °C	109 °F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China