

Dow AFFINITY™ EG 8200 Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

AFFINITY® EG 8200 polyolefin elastomer is a saturated ethylene-octene copolymer for general purpose elastomeric applications that is efficiently crosslinked by peroxide, silane or irradiation. It exhibits excellent flow properties, exceptional heat aging and compression set when crosslinked, excellent weatherability. It is also effective in binder dispersions and as an impact modifier in polyolefins, exhibiting superior impact properties in blends with PE and PP. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-AFFINITY-EG-8200-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.870 g/cc	0.0314 lb/in ³	
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 = 7.1

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 %	
100% Modulus	0.00280 GPa	0.406 ksi	
Secant Modulus	0.0200 GPa	2.90 ksi	2% Secant Modulus
Tensile Set	0.00 %	0.00 %	Elongation set after break

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