



AFFINITY™ EG 8200G Polyolefin Plastomer

Overview

- General purpose plastomer
- Excellent impact properties in blends with polypropylene and polyethylene
- Excellent flow characteristics
- Highly flexible with good elastic recovery

Complies with:

- U.S. FDA FCN 424
- Canadian HPFP No Objection

Consult the regulations for complete details.

AFFINITY* EG 8200G Polyolefin Plastomer is produced via INSITE* Technology from Dow Plastics. This is an ethylene alpha-olefin copolymer exhibiting high flexibility and elasticity. It can be utilized in monolayer cast film and in blends with other polyolefins to enhance clarity, sealability and toughness of structure.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.870 g/cm ³	0.870 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 250°F (121°C))	8 MU	8 MU	ASTM D1646
Melt Flow Ratio (I10/I2)	7.50	7.50	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 100% Secant (Compression Molded)	600 psi	4.14 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, Compression Molded	230 psi	1.59 MPa	
Break, Compression Molded	900 psi	6.21 MPa	
Tensile Elongation			ASTM D638
Break, Compression Molded	> 1000 %	> 1000 %	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	70	70	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	< 113 °F	< 45.0 °C	ASTM D1525
Melting Temperature (DSC)	145 °F	62.8 °C	Dow Method

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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