



AFFINITY™ GA 1950 Polyolefin Plastomer

- Overview**
- Ultra high clarity, low density, low viscosity polyolefin
 - Excellent thermal stability
 - Low Tg (Excellent low temperature properties)
 - Excellent flexibility
 - Non corrosive
 - Excellent color and odor
 - Excellent compatibility with a wide range of polymers
 - Low crystallinity (can be heavily filled)
 - Low density (better mileage)
 - Excellent adhesion to diverse substrates when formulated

Complies with:

- U.S. FDA FCN 424

Consult the regulations for complete details.

AFFINITY* GA 1950 Polyolefin Plastomer (POP) is produced via INSITE* Technology from Dow Plastics. This product can be used in applications such as polymer modification (i.e. flow enhancement and property enhancement), masterbatch/additive carrier, and hot melt adhesives.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.874 g/cm ³	0.874 g/cm ³	ASTM D792
Volatile Matter	< 0.15 %	< 0.15 %	ASTM D3030 ¹
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength	255 psi	1.76 MPa	ASTM D638
Tensile Elongation (Break)	190 %	190 %	ASTM D638
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature (DSC)	-69.0 °F	-56.1 °C	Dow Method
Melting Temperature (DSC)	158 °F	70.0 °C	Dow Method
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Brookfield Viscosity (350°F (177°C))	17000 mPa·s	17000 mPa·s	ASTM D1084
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Gardner Color	1.00	1.00	ASTM D3417

Notes

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

¹ Modified for polyolefins. Change the temperature used to 100°C +/-3 and the amount of sample to 20 grams.

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