

Technical Information

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.

Additive

- Antiblock: No
- Slip: No
- Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.874 g/cm ³	0.874 g/cm ³	ASTM D792
Gardner Color	2.00	2.00	ASTM D6290
Volatile Matter ¹	< 0.15 %	< 0.15 %	ASTM D3030
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	-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))	17.0 Pa·s	17.0 Pa·s	ASTM D1084

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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