



Technical Data Sheet

AFFINITY™ GA 1950 Polyolefin Plastomer

Description

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.

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 424

Consult the regulations for complete details.

Additive

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

Properties¹

Physical	Nominal Value	Unit	Test Method ²
Density	0.874	g/cm ³	ASTM D792
Gardner Color	2.00		ASTM D6290
Volatile Matter ³	< 0.15	%	ASTM D3030
Mechanical			
Tensile Strength	1.76	MPa	ASTM D638
Tensile Elongation (Break)	190	%	ASTM D638

1. Typical properties: these are not to be construed as specifications. Users should confirm results by their own tests.
2. ASTM: American Society for Testing and Materials
3. Modified for polyolefins. Change the temperature used to 100°C +/-3 and the amount of sample to 20 grams.

Properties (Cont.)

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-56.1	°C	Internal Method
Melting Temperature (DSC)	70.0	°C	Internal Method
Fill Analysis			
Brookfield Viscosity (350°F (177°C))	17.0	Pa·s	ASTM D1084

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