

Dow AFFINITY™ GA 1900 Polyolefin Plastomer (POP)

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

AFFINITY™ GA 1900 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. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-AFFINITY-GA-1900-Polyolefin-Plastomer-POP.php

Physical Properties	Metric	English	Comments
Density	0.870 g/cc	0.0314 lb/in ³	ASTM D792
Brookfield Viscosity	8200 cP @Temperature 177 °C	8200 cP @Temperature 350 °F	ASTM D1084
Collected Volatile Condensable Material	<= 0.15 %	<= 0.15 %	Modified for polyolefins. Change in temperature used to 100°C ± 3 and the amount of sample to 20 grams.; ASTM D3030

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1.55 MPa	225 psi	ASTM D638
Elongation at Break	106 %	106 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	68.0 °C	154 °F	Dow Method
Glass Transition Temp, Tg	-58.0 °C	-72.4 °F	Dow Method

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 1.0	<= 1.0	ASTM D3417

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