



AFFINITY™ PF 1162G

Polyolefin Plastomer

Overview

- For food packaging
- Excellent seal flexibility and strength properties

Complies with:

- U.S. FDA FCN 424

Consult the regulations for complete details.

Additive

- Antiblock: 5000 ppm
- Slip: 2500 ppm
- Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	2.0 mil	51 µm	
Tensile Strength			ASTM D882
MD : Yield, 2.0 mil (51 µm)	861 psi	5.94 MPa	
TD : Yield, 2.0 mil (51 µm)	838 psi	5.78 MPa	
MD : Break, 2.0 mil (51 µm)	6410 psi	44.2 MPa	
TD : Break, 2.0 mil (51 µm)	6040 psi	41.6 MPa	
Tensile Elongation			ASTM D882
MD : Break, 2.0 mil (51 µm)	610 %	610 %	
TD : Break, 2.0 mil (51 µm)	650 %	650 %	
Dart Drop Impact (2.0 mil (51 µm))	> 850 g	> 850 g	ASTM D1709B
Elmendorf Tear Strength			ASTM D1922
MD : 2.0 mil (51 µm)	400 g	400 g	
TD : 2.0 mil (51 µm)	510 g	510 g	
Seal Initiation Temperature ¹ 2.0 mil (51 µm)	176 °F	80.0 °C	Dow Method
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	169 °F	76.0 °C	ASTM D1525
Melting Temperature (DSC)	203 °F	95.0 °C	Dow Method
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 2.00 mil (50.8 µm))	81	81	ASTM D2457
Haze (2.00 mil (50.8 µm))	5.0 %	5.0 %	ASTM D1003
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	350 to 450 °F	177 to 232 °C	

Extrusion Notes

Fabrication Conditions For Blown Film:

- Screw Type: Single Flight Double Mix
- Die Gap: 70 mil (1.8 mm)
- Melt Temperature: 350-450°F (177-232°C)
- Output: 6.5 lb/hr/in. of die circumference
- Die Diameter: 6 in.
- Blow-Up Ratio: 2.5:1

