

AFFINITY™ PF 1162G

Polyolefin Plastomer
The Dow Chemical Company

Message:

For food packaging
Excellent seal flexibility and strength properties
Complies with:
U.S. FDA FCN 424
Consult the regulations for complete details.

General Information			
Additive	Anti-caking agent (5000 ppm)		
	Sliding agent (2500 ppm)		
Agency Ratings	FDA FCN 424		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Tensile Strength			ASTM D882
MD: Yield, 51 µm	5.94	MPa	ASTM D882
TD: Yield, 51 µm	5.78	MPa	ASTM D882
MD: Fracture, 51 µm	44.2	MPa	ASTM D882
TD: Fracture, 51 µm	41.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 51 µm	610	%	ASTM D882
TD: Fracture, 51 µm	650	%	ASTM D882
Dart Drop Impact (51 µm)	> 850	g	ASTM D1709B
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	400	g	ASTM D1922
TD : 51 µm	510	g	ASTM D1922
Seal Initiation Temperature ¹ (51 µm)	80.0	°C	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	76.0	°C	ASTM D1525
Melting Temperature (DSC)	95.0	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.8 µm)	81		ASTM D2457

Haze (50.8 μm)	5.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	177 - 232	°C	
Extrusion instructions			
吹塑薄膜的制造条件: 螺杆类型:单跨双混合 模具间隙:70 密尔 (1.8 mm) 熔体温度:350-450°F (177-232°C) 输出:模具周长的 6.5 磅/小时/英寸 模具直径:6 英寸 放大比:2.5:1			
NOTE			

1.

Achieve a temperature of 2 psig (8.8 N/25.4mm) heat seal strength.

Heat seal strength, Topwave HT tester 0.5 S holding pressure, 40 psi pressure, pulling speed (150 mm/s).

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