



AFFINITY™ KC 8852G Polyolefin Plastomer

- Overview**
- Excellent inherent cling properties
 - Excellent optical properties
 - Excellent toughness properties

Complies with:

- U.S. FDA FCN 424
- Canadian HPFP No Objections

Consult the regulations for complete details.

AFFINITY* KC 8852G Polyolefin Plastomer (POP) is produced via INSITE* Technology. This resin is an ethyleneoctene copolymer that offers excellent performance as a cling resin in one-sided stretch cling film applications. This polyolefin plastomer provides excellent cling and optics, while offering outstanding toughness.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.875 g/cm ³	0.875 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	0.800 mil	20.3 µm	
Film Puncture Resistance			Dow Method
0.800 mil (20.3 µm), Cast Film	190 ft·lb/in ³	15.7 J/cm ³	
Dart Drop Impact			ASTM D1709
0.800 mil (20.3 µm), Cast Film	150 g	150 g	
Film Cling			
0.000800 in (0.0203 mm)	250 g	250 g	ASTM D4649 ¹
0.000800 in (0.0203 mm)	130 g	130 g	ASTM D4649 ²
0.000800 in (0.0203 mm)	150 g	150 g	ASTM D4649 ³
0.000800 in (0.0203 mm)	110 g	110 g	ASTM D4649 ⁴
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature (DSC)	155 °F	68.3 °C	Dow Method
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 0.800 mil (20.3 µm), Cast Film)	66	66	ASTM D2457
Haze (0.800 mil (20.3 µm), Cast Film)	4.3 %	4.3 %	ASTM D1003

Additional Information

The resin was utilized as the cling layer in coextruded cast and blown 0.8 mil (21 µm), one-sided stretch cling film structures.

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Cast Film, Unstretched

² Cast Film, 200% Stretched

³ Blown Film, Unstretched

⁴ Blown Film, 200% Stretched

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