



# AFFINITY™ KC 8852G

## Polyolefin Plastomer

### Overview

- Excellent inherent cling properties
- Excellent optical properties
- Excellent toughness properties

Complies with:

- U.S. FDA FCN 424
- Canadian HPFB 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.

### Additive

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.875 g/cm <sup>3</sup>	0.875 g/cm <sup>3</sup>	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	1 mil	20 µm	
Film Puncture Resistance			Dow Method
0.80 mil (20 µm), Cast Film	190 ft·lb/in <sup>3</sup>	15.7 J/cm <sup>3</sup>	
Dart Drop Impact			ASTM D1709
0.80 mil (20 µm), Cast Film	150 g	150 g	
Film Cling			ASTM D4649
0.8 mil (20.3 µm) <sup>1</sup>	250 g	250 g	
0.8 mil (20.3 µm) <sup>2</sup>	130 g	130 g	
0.8 mil (20.3 µm) <sup>3</sup>	150 g	150 g	
0.8 mil (20.3 µm) <sup>4</sup>	110 g	110 g	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	118 °F	48.0 °C	ASTM D1525
Melting Temperature (DSC)	154 °F	68.0 °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)	4.30 %	4.30 %	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.

<sup>1</sup> Cast Film, Unstretched

<sup>2</sup> Cast Film, 200% Stretched

<sup>3</sup> Blown Film, Unstretched

<sup>4</sup> Blown Film, 200% Stretched

