

AFFINITY™ KC 8852G

Polyolefin Plastomer
The Dow Chemical Company

Message:

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.

General Information			
Agency Ratings	FDA FCN 424		
	HPFB (Canada) No Objection		
Forms	Particle		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.875	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Film Puncture Resistance (20 µm)	15.7	J/cm ³	Internal method
Dart Drop Impact (20 µm, Cast Film)	150	g	ASTM D1709
Film bonding			ASTM D4649
20.3 µm ¹	150	g	ASTM D4649
20.3 µm ²	110	g	ASTM D4649
20.3 µm ³	250	g	ASTM D4649
20.3 µm ⁴	130	g	ASTM D4649
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	48.0	°C	ASTM D1525
Melting Temperature (DSC)	68.0	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45, 20.3 µm, cast film)	66		ASTM D2457
Haze (20.3 µm, cast film)	4.3	%	ASTM D1003
Additional Information			
在共挤铸造和 0.8 密尔 (21 µm) 单侧拉伸粘结薄膜结构吹塑时,利用树脂作为粘结层.			
NOTE			

1.	Blow-molded film, unstretched
2.	Blow film, stretch 200%
3.	Cast film, unstretched
4.	Cast film, tensile 200%

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

