SABIC® SUPEER™ 8112

Metallocene Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® SUPEER™ 8112 is an ethylene-octene copolymer produced via Nexlene™ Technology. It performs well in a wide range of general purpose and high performance LLDPE blown film applications and has good processablity.
Application
Typical applications for SABIC® SUPEER™ 8112 are lamination film, frozen bags, liquid pouches, industrial liner, stretch hood, surface protective film.
This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information	
Features	Low density Copolymer Workability, good Octene comonomer
Uses	Blown Film Laminate Lining Bags Industrial application
Processing Method	Blow film

Physical	Nominal Value	Unit	Test Method
Density	0.912	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
secant modulus			ASTM D882
1% secant, MD: 50 µm, blown film	127	MPa	ASTM D882
1% secant, TD: 50 µm, blown film	142	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm, blown film	11.0	MPa	ASTM D882
TD: Yield, 50 µm, blown film	10.0	MPa	ASTM D882
MD: Broken, 50 µm, blown film	51.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	49.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	660	%	ASTM D882
TD: Broken, 50 µm, blown film	730	%	ASTM D882
Dart Drop Impact [1] (50 µm, Blown Film)	> 1000	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD: 50 µm, blown film	16	g	ASTM D1922
TD: 50 µm, blown film	25	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	111	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Haze (50.0 µm, Blown Film)	7.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Blown Film Melt Temperature	180 - 200	°C	
Blow-up Ratio	2.00 - 3.00		
Properties have been measured on blown film of 50 µm and BUR = 2.5			
NOTE			
1.	F50		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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