SABIC® SUPEER™ 8112L

Metallocene Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® SUPEER™ 8112L 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™ 8112L 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	
Additive	Anti-caking agent slip agent
Features	Low density Copolymer smoothness Anti-caking property Workability, good Octene comonomer
Uses	Blown Film Laminate Lining Bags Industrial application General
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

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WECHAT