

SABIC® SUPEER™ 8115L

Metallocene Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® SUPEER™ 8115L 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 processability. The grade offers better performance in terms of tensile properties, stiffness / toughness ratio and optical properties.

Application

Typical applications for SABIC® SUPEER™ 8115L are lamination film, frozen bags, liquid pouches, heavy duty bags, industrial liner, agriculture film, 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		
	Stretch winding		
	Agricultural application		
	General		
	Heavy packing bag		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	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	ASTM D882
secant modulus			
1% secant, MD: 50 µm, blown film	136	MPa	ASTM D882

1% secant, TD: 50 µm, blown film	151	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	52.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	49.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	650	%	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	15	g	ASTM D1922
TD: 50 µm, blown film	24	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Haze (50.0 µm, Blown Film)	10	%	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		

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