

# SABIC® COHERE™ 8102L

Polyolefin Plastomer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® COHERE™ 8102L is a 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 excellent processability.

SABIC® COHERE™ 8102L does contain Slip and Antiblock.

Applications

Typical application for SABIC® COHERE™ 8102L is low temperature sealing layer for high value packaging (low SIT, seal through contamination, toughness improvement).

General Information			
Additive	Anti-caking agent slip agent		
Features	Excellent Processability Copolymer smoothness Anti-caking property Octene comonomer		
Uses	Blown Film Packaging		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
secant modulus			ASTM D882
1% secant, MD	68.0	MPa	ASTM D882
1% secant, TD	76.0	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	47.0	MPa	ASTM D882
TD: Fracture	42.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	600	%	ASTM D882
TD: Fracture	620	%	ASTM D882
Dart Drop Impact <sup>1</sup>	> 1000	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD	10	g	ASTM D1922
TD	17	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	100	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Haze	4.0	%	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		

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