

# SABIC® COHERE™ 8102

Polyolefin Plastomer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® COHERE™ 8102 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™ 8102 does not contain Slip and Antiblock.

Applications

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

General Information			
Features	Excellent Processability		
	Copolymer		
	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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