

# SABIC® COHERE™ 8108

Polyolefin Plastomer

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® COHERE™ 8108 is a ethylene-octene copolymer produced via Nexlene™ Technology. It performs well in a wide range of general purpose blown film applications and has excellent melt flow characteristics.

SABIC® COHERE™ 8108 does not contain Slip and Antiblock.

### Applications

Typical application for SABIC® COHERE™ 8108 is low temperature seal packaging and lamination film.

General Information			
Features	Copolymer		
	High liquidity		
	Octene comonomer		
Uses	Blown Film		
	Packaging		
	Laminate		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.908	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	970	MPa	ASTM D882
1% secant, TD	1080	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	460	MPa	ASTM D882
TD: Fracture	550	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	540	%	ASTM D882
TD: Fracture	640	%	ASTM D882
Dart Drop Impact <sup>1</sup>	> 1000	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	13	g	ASTM D1922
TD	20	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	105	°C	Internal method
Optical	Nominal Value	Unit	Test Method

Haze	6.0	%	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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