

SABIC® COHERE™ 8108L

Polyolefin Plastomer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® COHERE™ 8108L 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™ 8108L does contain Slip and Antiblock.

Applications

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

General Information			
Additive	Anti-caking agent		
	slip agent		
Features	Copolymer		
	smoothness		
	Anti-caking property		
	High liquidity		
	Octene comonomer		
Uses	Blown Film		
	Packaging		
	Laminate		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.908	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	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 ¹	> 1000	g	ASTM D1709
Elmendorf Tear Strength - 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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