SABIC® COHERE 8108

METALLOCENE POLYOLEFIN PLASTOMER

DESCRIPTION

SABIC® COHERE™ 8108 grade is an ethylene-octene copolymer produced via solution polymerization using metallocene catalyst. It performs well in high performance LLDPE blown film applications with an excellent combination of toughness, hot tack, sealing and optical properties.

TYPICAL APPLICATIONS

Low temperature sealing layer for high value packaging (low SIT, seal through contamination, toughness improvement)

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190°C and 2.16 kg	1.0	g/10 min	ASTM D1238
Density	908	kg/m³	ASTM D1505
OPTICAL PROPERTIES			
Haze	6	%	ASTM D1003
FILM PROPERTIES			
Tensile test film (1)			
stress at break, MD	45	MPa	ASTM D882
stress at break, TD	54	MPa	ASTM D882
elongation at break, MD	540	%	ASTM D882
elongation at break, TD	640	%	ASTM D882
1% secant modulus, MD	95	MPa	ASTM D882
1% secant modulus, TD	105	MPa	ASTM D882
Dart Impact F50 (1)	> 1000	g	ASTM D1709
Elmendorf Tear Strength (1)			
MD	13	g/µm	ASTM D1922
TD	20	g/µm	ASTM D1922
Sealing Initiation Temperature (1)	88	°C	SABIC method
THERMAL PROPERTIES			
Melting Point	~105	°C	SABIC method

(1) Properties have been measured by producing 50 µm film with 2 5 BUR using 100% COHERE™ 8108

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+852-6957-5415 (HongKong)

PROCESSING CONDITIONS

Typical processing conditions for COHERE™ 8108 are:
Barrel temperature: 180 - 200°C, Blow up ratio: 2.0 - 3.0

FOOD REGULATION

Please contact the local Sales / Technical representative for details.

DISCLAIMER

The grades are not intended for and must not be used in any pharmaceutical / medical applications.

STORAGE AND HANDLING

The resin should be stored in a manner to prevent a direct exposure to sunlight and / or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC® would not give warranty to bad storage conditions that may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.