COHERE™ PLASTOMER 8185

METALLOCENE POLYOLEFIN PLASTOMER

DESCRIPTION

COHERE™ Metallocene Polyolefin Plastomer (POP) 8185 is an ethylene-octene copolymer produced via solution polymerization using metallocene catalyst. It performs well in high performance film applications with outstanding gel control, and an excellent combination of toughness, hot tack, sealing and optical properties.

TYPICAL APPLICATIONS

- Sealant layer in multi-layer film;
- Cling layer in stretch wrap film;
- Adhesive layer in surface protect film.

TYPICAL PROPERTY VALUES

Revision 20231031

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	1.0	g/10 min	ASTM D1238
Density			
at 23°C	0.885	g/cm³	ASTM D792
MECHANICAL PROPERTIES			
Flexural Modulus (1% Secant)	29.4	MPa	ASTM D790 A
Tear Strength (Type C)	58.5	kN/m	ASTM D624
FILM PROPERTIES			
Tensile Properties (1)			
stress at break	16.7	MPa	ASTM D638
elongation at break	700	%	ASTM D638
100% modulus	4.6	MPa	ASTM D638
THERMAL PROPERTIES			
Melting Point	74	°C	SABIC method

(1) All physical properties were measured from specimens cut from compression molded. These typical values depend on manufacturing conditions. Therefore, customers should confirm the product performance by using their own tests.

FOOD REGULATION

Please contact the local Sales / Technical representative for details.

STORAGE AND HANDLING

POE Polyolefin Elastomer resins (in pelletized form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 30 °C. Further avoid temperatures above 50 °C and below 10 °C. Please mind the temperature conditions when using the low density grades <0.875 g/cm3, especially when the shipment or storage temperature would approach the softening and melting temperature of the POE resin. Outer package wrap should not be removed from the pellets until the products are ready to be used. Stacking of pallets is not recommended due to dimensional instability and material blocking risk. Grades with D suffix are being treated with anti-caking dust agent to reduce blocking behavior. It is advisable to process Polyolefin Elastomers resins within 6 months after delivery, this because also excessive aging can lead to a deterioration in quality.

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