

POLYMERS

SABIC® POP 8402

Metallocene Polyolefin Plastomer for Cast Film

PRODUCT DESCRIPTION:

SABIC® POP 8402 grade is ethylene-octene copolymers produced via Nexlene™ Technology. It performs well high performance LLDPE cast film and deliver outstanding toughness optics. SABIC® POP 8402 provide excellent performance as cling layer in stretch wrap film.

8402: Slip: No; Antiblock: No

TYPICAL APPLICATIONS:

Low temperature sealing layer for high value packaging (low SIT, seal through contamination, toughness improvement) and cast stretch film.

TYPICAL PROPERTY VALUES:

PROPERTIES		Unit	Typical Value ⁽¹⁾	Test Method
Melt Index @ 190°C & 2.16 kg load		g/10 min	3.5	ASTM D 1238
Density @ 23°C		kg/m ³	902	ASTM D 792
Melting Point		°C	~100	Internal Method
MECHANICAL PROPERTIES⁽²⁾				
Tensile Strength @ Break	MD	MPa	50	ASTM D 882
	TD		44	
Tensile Elongation @ Break	MD	%	520	ASTM D 882
	TD		600	
1% Secant Modulus	MD	MPa	64	ASTM D 882
	TD		78	
Dart Impact Strength		g	>1000	ASTM D 1709A
Elmendorf Tear Resistance	MD	g/μm	12	ASTM D 1922
	TD	g/μm	17	
OPTICAL PROPERTIES ⁽²⁾				
Haze		%	0.5	ASTM D 1003

(1) Typical values; not to be construed as specification limits.

(2) Properties have been measured by producing 40 μm film cast line using 100% 8402.

PROCESSING CONDITIONS:

Typical processing conditions for 8402 series are:

Barrel temperature: 250 ~ 300 °C

Chill roll temperature: 15 ~ 25 °C

FOOD REGULATION:

Please contact the local Sales / Technical representative for details.

DECLAIMER:

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.

CONTACT US:

Saudi Basic Industries Corporation, P.O. Box 5101, Riyadh 11422, Kingdom of Saudi Arabia

Tel: +966 11 2258000

Fax: 966 11 2259000

PE Sales

Fax: +966 11 2258760

Website: www.sabic.com

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