

POLYETHYLENE

FS250B

Linear Low Density Polyethylene for cast film application

Description

FS250B is a linear low density polyethylene resin intended for cast film applications. This resin has good flow characteristics for easy processing. Films made from this resin exhibit excellent transparency, and good toughness properties.

Applications

- Hand and pallet stretch wrap film
- Wire & Cable

Additive Package	Slip Agent	Anti-block
FS250B	no	no

Resin Properties	Unit	Test Method	Typical Value
MFR (190°C/2.16Kg)	g/10min	ASTM D1238	2.2
Density	g/cm ³	ASTM D792 Method A	0.921
Melting Point	°C	DSC	122

Film Properties*				
Tensile Strength at Break	MD	MPa	ASTM D882	40
	TD			30
Tensile Elongation at Break	MD	%	ASTM D882	670
	TD			850
1% Secant Modulus	MD	MPa	ASTM D882	160
	TD			155
Elmendorf Tear Strength	MD	gf	ASTM D1922	70
	TD			215
Dart Drop Impact		g	ASTM D1709	65
Haze		%	ASTM D1003	0.7
Gloss at 45°		--	ASTM D2457	150
Flammability			UL94	HB

* Cast film processing conditions: Extruder Ø55 mm, Die width 600 mm, Die lip gap 1.2 mm, Die temperature 280 °C, Chill roll temperature 30 °C, Output rate 50 kg/h, Take-up speed 75 m/min, Film thickness 20 µm.

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Kingdom of Saudi Arabia
Petro Rabigh
Marketing & Product Development
Quality Assurance & Claim Handling Section
Tel: +966 12 425 7189
Fax: +966 12 425 8224
www.petrorabigh.com

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Processing conditions: Typical processing conditions: 200 - 280 °C.

Storage and handling: FS250B should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 °C. It is advisable to process polyethylene resins within 6 months after delivery.

Food Contact Compliance and other Regulations: Please visit Petro Rabigh website.

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Tel: +966 12 425 7189
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