

# 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 <sup>3</sup>	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 45-degree		--	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.

**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.

012015

Disclaimer: © Petro Rabigh. All information supplied by or on behalf of Petro Rabigh in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Petro Rabigh assumes no liability whatsoever in respect of application, processing or use made of the provided information or products, or any consequence thereof. The user is solely responsible and liable with respect to the application, processing or use of the provided information or product, whose quality and other properties shall be verified, or any consequence thereof. No liability whatsoever shall attach to Petro Rabigh for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the provided information or products by the user. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information.

Kingdom of Saudi Arabia  
Petro Rabigh  
Domestic Sales Department  
Jeddah- Salamah Center  
Tel: +966 12 616 5624  
Fax: +966 12 616 5621  
www.petrorabigh.com