

POLYETHYLENE

FS350A

Linear Low Density Polyethylene for cast film application

Description

FS350A 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
FS350A	no	no

Resin Properties	Unit	Test Method	Typical Value
MFR (190°C/2.16Kg)	g/10min	ASTM D1238	3.1
Density	g/cm ³	ASTM D792 Method A	0.922
Melting Point	°C	DSC	122

Film Properties*				
Tensile Strength at Break	MD	MPa	ASTM D882	30
	TD			25
Tensile Elongation at Break	MD	%	ASTM D882	680
	TD			890
1% Secant Modulus	MD	MPa	ASTM D882	160
	TD			160
Elmendorf Tear Strength	MD	gf	ASTM D1922	80
	TD			200
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.

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
Marketing & Product Development
Quality Assurance & Claim Handling Section
Tel: +966 12 425 7189
Fax: +966 12 425 8224
www.petrorabigh.com

POLYETHYLENE

FS350A

Linear Low Density Polyethylene for cast film application

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

Storage and handling: FS350A 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.

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
Marketing & Product Development
Quality Assurance & Claim Handling Section
Tel: +966 12 425 7189
Fax: +966 12 425 8224
www.petrorabigh.com