

# Petro Rabigh PE FS250B

Linear Low Density Polyethylene  
Rabigh Refining & Petrochemical Co.

Message:

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

General Information	
Features	Good Flow
	Good Toughness
	High Clarity
Uses	Cast Film
	Film
	Stretch Wrap
	Wire & Cable Applications
Appearance	Clear/Transparent
Processing Method	Cast Film
	Film Extrusion
	Wire & Cable Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm <sup>3</sup>	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 20 µm	150	MPa	
1% Secant, TD : 20 µm	150	MPa	ASTM D882
Tensile Strength			
MD : Break, 20 µm	50.0	MPa	
TD : Break, 20 µm	30.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 20 µm	620	%	
TD : Break, 20 µm	940	%	ASTM D1709
Dart Drop Impact (20 µm)	75	g	
Elmendorf Tear Strength			ASTM D1922

MD : 20 μm	60	g	
TD : 20 μm	240	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	122	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 μm)	145		ASTM D2457
Haze (20.0 μm)	0.60	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	220 to 280	°C	

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#### Recommended distributors for this material

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