

Petro Rabigh PE FS350A

Linear Low Density Polyethylene
Rabigh Refining & Petrochemical Co.

Message:

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 and 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	0.922	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.1	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	165	MPa	
1% Secant, TD : 20 µm	165	MPa	ASTM D882
Tensile Strength			
MD : Break, 20 µm	40.0	MPa	
TD : Break, 20 µm	25.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 20 µm	680	%	
TD : Break, 20 µm	870	%	ASTM D1709
Dart Drop Impact (20 µm)	75	g	
Elmendorf Tear Strength			ASTM D1922

MD : 20 μm	70	g	
TD : 20 μm	220	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	121	°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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