

Petro Rabigh PE FS150A

Linear Low Density Polyethylene
Rabigh Refining & Petrochemical Co.

Message:

FS150A and FS153S are a linear low density polyethylene resin designed for blown film applications. Films made from these resins exhibits excellent transparency, good impact and toughness properties.

General purpose film, lamination film, stretch film

General Information			
Features	Good Impact Resistance		
	Good Toughness		
	High Clarity		
Uses	Film		
	Laminates		
	Stretch Wrap		
Appearance	Clear/Transparent		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 30 µm	205	MPa	
1% Secant, TD : 30 µm	250	MPa	ASTM D882
Tensile Strength			
MD : Break, 30 µm	35.0	MPa	
TD : Break, 30 µm	30.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 30 µm	740	%	
TD : Break, 30 µm	840	%	ASTM D1709
Dart Drop Impact (30 µm)	120	g	
Elmendorf Tear Strength			
MD : 30 µm	140	g	ASTM D1922
TD : 30 µm	400	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	122	°C	DSC
Optical	Nominal Value	Unit	Test Method

Gloss (45°, 30.0 μm)	80		ASTM D2457
Haze (30.0 μm)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 200	°C	

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