

Sumitomo PE FS350A

Linear Low Density Polyethylene

Sumitomo Chemical Asia

Message:

Applications: For lamination film, stretch film, and other general purpose film applications. Also for wire and cable applications.

Characteristics: High strength film, non-slip with excellent transparency and processability.

General Information			
Features	Good Processability		
	High Clarity		
	High Strength		
Uses	Cast Film		
	Film		
	Laminates		
	Stretch Wrap		
	Wire & Cable Applications		
Agency Ratings	EU 2002/72/EC		
	EU 2004/19/EC		
	FDA 21 CFR 177.1520(c) 3.2a		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Cast Film		
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
Secant Modulus			ASTM D882
1% Secant, MD	165	MPa	
1% Secant, TD	165	MPa	
Tensile Strength			ASTM D882
MD : Break	40.0	MPa	
TD : Break	25.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	680	%	
TD : Break	870	%	
Dart Drop Impact	75	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD	70	g	
TD	220	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	121	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	145		ASTM D2457
Haze	0.60	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 280	°C	

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