

Sumitomo PE FS150A

Linear Low Density Polyethylene

Sumitomo Chemical Asia

Message:

Applications For heavy duty bag, lamination film, stretch film, and other general purpose film applications.
Characteristics High strength film, non-slip with excellent processability. For higher transparency, blending with LDPE is recommended.

General Information			
Features	High strength		
	Workability, good		
	Definition, high		
Uses	Films		
	Laminate		
	Mixing		
	Stretch winding		
	Heavy packing bag		
Agency Ratings	EU 2004/19/EC		
	FDA 21 CFR 177.1520(c) 3.2a		
	European 2002/72/EC		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Blow film		
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
secant modulus			ASTM D882
1% secant, MD	205	MPa	ASTM D882
1% secant, TD	250	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	35.0	MPa	ASTM D882
TD: Fracture	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	740	%	ASTM D882
TD: Fracture	840	%	ASTM D882
Dart Drop Impact	120	g	ASTM D1709

Elmendorf Tear Strength			ASTM D1922
MD	140	g	ASTM D1922
TD	400	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	122	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	80		ASTM D2457
Haze	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 220	°C	
Extrusion instructions			

Blow-up Ratio: 2 to 3

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