

Low Density Polyethylene

Celanese EVA Performance Polymers

Message:

A high strength resin, recommended for shrink films and general purpose packaging.

General Information			
Features	High Strength		
Uses	General Purpose		
	Packaging		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16			
kg)	0.80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	0.45		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	35	μm	
Secant Modulus			ASTM D882
1% Secant, MD : 35 µm, Blown Film	230	MPa	
1% Secant, TD : 35 µm, Blown Film	270	MPa	
Tensile Strength ¹			ASTM D882A
MD : Yield,35 µm, Blown Film	13.0	MPa	
TD : Yield,35 μm, Blown Film	13.0	MPa	
MD : Break, 35 µm,Blown Film	29.0	MPa	
TD : Break, 35 µm,Blown Film	22.0	MPa	
Tensile Elongation ²			ASTM D882A
MD : Break, 35 µm,Blown Film	400	%	
TD : Break, 35 µm,Blown Film	610	%	
Dart Drop Impact (35 µm, Blown Film)	74	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.8	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 35.0 µm, Blown Film)	50		ASTM D2457
Haze (35.0 µm, Blown Film)	9.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	

Melt Temperature	170 to 215	°C
NOTE		
1.	500 mm/min	
2.	500 mm/min	

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Recommended distributors for this material

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