AT 525

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

Recommended distributors for this material

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