

AT 520

Low Density Polyethylene
Celanese EVA Performance Polymers

Message:

AT 520 is an LDPE product recommended for general film resin.

General Information			
Uses	Film		
	Packaging		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 50 µm, Blown Film	210	MPa	
1% Secant, TD : 50 µm, Blown Film	240	MPa	ASTM D882
Tensile Strength ¹			
MD : Yield,50 µm, Blown Film	12.0	MPa	
TD : Yield,50 µm, Blown Film	12.0	MPa	ASTM D882
MD : Break, 50 µm,Blown Film	21.0	MPa	
TD : Break, 50 µm,Blown Film	20.0	MPa	
Tensile Elongation ²			ASTM D882
MD : Break, 50 µm,Blown Film	400	%	
TD : Break, 50 µm,Blown Film	600	%	
Dart Drop Impact (50 µm, Blown Film)	100	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	54		ASTM D2457
Haze (50.0 µm, Blown Film)	14	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 230	°C	
NOTE			
1.	500 mm/min		
2.	500 mm/min		

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