

AT 472

Low Density Polyethylene
Celanese EVA Performance Polymers

Message:

This multi-purpose resin provides superior performance in low speed, low neck-in extrusion coating applications.

General Information			
Features	Low Neck-In		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	94		
Shore D	50		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	11.0	MPa	ASTM D638
Tensile Elongation ² (Break)	550	%	ASTM D638
Flexural Modulus - 1% Secant	230	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	290 to 330	°C	
Maximum Line Speed	3.6	m/sec	
Minimum Coating Thickness ³	10	µm	
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		
3.	6 lb/ream		

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