

AT 220

Low Density Polyethylene Celanese EVA Performance Polymers

Message:

This resin may be used for the production of crosslinked and non-crosslinked foamed goods.

General Information			
Features	Crosslinkable		
	Foamable		
	Food Contact Acceptable		
Uses	Foam		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Foam Processing		
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
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	96		
Shore D	47		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	15.0	MPa	ASTM D638
Tensile Elongation ² (Break)	550	%	ASTM D638
Flexural Modulus - 1% Secant	215	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-82.0	°C	ASTM D746
Vicat Softening Temperature	94.0	°C	ASTM D1525
Peak Melting Temperature	112	°C	ASTM D3418
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		

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