

AT 280

Low Density Polyethylene
Celanese EVA Performance Polymers

Message:

AT 280 is a low density polyethylene material. This product is available in North America, and the processing method is: composite. The main characteristics of AT 280 are: contact with food.
Typical application areas include:
additive/masterbatch
glue/gummed paper
Sealing applications
food contact applications
application of coating

General Information			
Features	Compliance of Food Exposure		
Uses	Composite		
	Mixing		
	Sealant		
	Masterbatch		
	Coating application		
	Profile		
	Adhesive		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Composite		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	94		ASTM D2240
Shaw D	47		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	7.00	MPa	ASTM D638
Tensile Elongation ² (Break)	220	%	ASTM D638
Flexural Modulus - 1% Secant	190	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Vicat Softening Temperature	87.0	°C	ASTM D1525
Melting Temperature	105	°C	DSC
Additional Information			

The value listed as Density-Specific Gravity, ASTM D1505, was also tested in accordance with ASTM D1928 Proc A.Ring & Ball Softening Point, ASTM E28: 130°C

NOTE

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| 1. | Type 4, 50mm/min |
| 2. | Type 4, 50mm/min |

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