

AT 7205

Low Density Polyethylene
Celanese EVA Performance Polymers

Message:

A very high strength resin with excellent environmental stress crack resistance and good gloss, suitable for blow moulding and extruded tubing applications.

General Information	
Features	High ESCR (Stress Crack Resist.) High Strength Medium Gloss
Uses	Blow Molding Applications Tubing
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Blow Molding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	97		
Shore D	52		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	20.0	MPa	ASTM D638
Tensile Elongation ² (Break)	610	%	ASTM D638
Flexural Modulus - 1% Secant	270	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	101	°C	ASTM D1525

NOTE	
1.	Type IV, 50 mm/min
2.	Type IV, 50 mm/min

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Recommended distributors for this material

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