

# AT 193

Low Density Polyethylene  
Celanese EVA Performance Polymers

Message:

This resin is suitable for use in Hot Melt Adhesive and coating applications.

General Information			
Features	Homopolymer		
	High liquidity		
Uses	Sealant		
	Application in Automobile Field		
	Coating application		
	Fiber		
	Adhesive		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.912	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	400	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	95		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	7.50	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	110	%	ASTM D638
Flexural Modulus - 1% Secant	125	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	99.0	°C	DSC
Additional Information			
The value listed as Density-Specific Gravity, ASTM D1505, was also tested in accordance with ASTM D1928 ProcC Mod.Ring and Ball Softening Point: 109°C			
NOTE			
1.	Type 4, 50mm/min		
2.	Type 4, 50mm/min		

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