

AT 192

Low Density Polyethylene Celanese EVA Performance Polymers

Message:

This homopolymer is suitable for use in carpet extrusion coating applications.

General Information			
Features	Homopolymer		
	High liquidity		
Uses	Application in Automobile Field		
	Coating application		
	Fiber		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.913	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	220	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	95		ASTM D2240
Shaw D	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	8.00	MPa	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus - 1% Secant	160	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-10.0	°C	ASTM D746
Vicat Softening Temperature	71.2	°C	ASTM D1525
Melting Temperature	100	°C	DSC
Additional Information			

The value listed as Density-Specific Gravity, ASTM D1505, was also tested in accordance with ASTM D1928 ProcC Mod.

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

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