

AT 193

LOW DENSITY POLYETHYLENE

Product Description

This resin is commonly used for hot melt adhesive and coating applications.

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	0	%	0	%	PTM-39
Melt Index (190 °C/2.16 kg)	400	g/10 min.	400	g/10 min.	ASTM D1238
Density	912	kg/m ³	0.912	g/cm ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

DSC Melt Temp	99	°C	210	°F	ASTM D3418
Ring & Ball Softening Point	109	°C	228	°F	ASTM E28

Molded Plaque Properties

Tensile Strength at Break	8	MPa	1090	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	110	%	110	%	
Hardness - Shore A	95	--	95	--	ASTM D2240
Flexural Modulus (1% Secant)	125	MPa	18,130	psi	ASTM D790

Processing Information

This polymer may be processed on conventional extrusion coating equipment.

Regulatory Compliance

Contact Celanese Customer Service for information about food contact or other regulatory compliance.