

AT 190

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 (125 °C/0.325 kg)	70	g/10 min.	70	g/10 min.	ASTM D1238
Density	914	kg/m3	0.914	g/cm3	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

DSC Melt Temp	102	°C	216	°F	ASTM D3418
Ring & Ball Softening Point	117	°C	243	°F	ASTM E28

Molded Plaque Properties

Tensile Strength at Break	8	MPa	1160	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	120	%	120	%	
Hardness - Shore A	95	--	95	--	ASTM D2240
Flexural Modulus (1% Secant)	130	MPa	18,860	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.