

AT 192

LOW DENSITY POLYETHYLENE

Product Description

This resin is commonly used for carpet backing extrusion 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)	220	g/10 min.	220	g/10 min.	ASTM D1238
Density	913	kg/m ³	0.913	g/cm ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

DSC Melt Temp	100	°C	212	°F	ASTM D3418
Vicat Softening Point	71	°C	160	°F	ASTM D1525

Molded Plaque Properties

Tensile Strength at Break	8	MPa	1160	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	100	%	100	%	
Hardness - Shore A	95	--	95	--	ASTM D2240
Hardness - Shore D	45	--	45	--	
Flexural Modulus (1% Secant)	160	MPa	23,210	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.