

AT 280

LOW DENSITY POLYETHYLENE

Product Description

This resin is commonly used for hot melt coating and adhesive applications, compounds and masterbatches, and extrusion and molding applications.

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	0	%	0	%	PTM-39
Melt Index (190 °C/2.16 kg)	20.0	g/10 min.	20.0	g/10 min.	ASTM D1238
Density	917	kg/m ³	0.917	g/cm ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

DSC Melt Temp	105	°C	220	°F	ASTM D3418
Ring & Ball Softening Point	130	°C	266	°F	ASTM E28

Molded Plaque Properties

Tensile Strength at Break	7	MPa	1020	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	220	%	220	%	
Hardness - Shore A	94	--	94	--	ASTM D2240
Hardness - Shore D	47	--	47	--	
Flexural Modulus (1% Secant)	190	MPa	27,560	psi	ASTM D790

Processing Information

Regulatory Compliance

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