

AT 220

LOW DENSITY POLYETHYLENE

Product Description

This resin is commonly used for semi-rigid pipe and tube applications.

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	0	%	0	%	PTM-39
Melt Index (190 °C/2.16 kg)	2.0	g/10 min.	2.0	g/10 min.	ASTM D1238
Density	921	kg/m ³	0.921	g/cm ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

DSC Melt Temp	112	°C	234	°F	ASTM D3418
Vicat Softening Point	94	°C	201	°F	ASTM D1525

Molded Plaque Properties

Tensile Strength at Break	15	MPa	2180	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	550	%	550	%	
Hardness - Shore A	96	--	96	--	ASTM D2240
Hardness - Shore D	47	--	47	--	
Flexural Modulus (1% Secant)	215	MPa	31,180	psi	ASTM D790

Processing Information

This polymer may be processed using conventional polymer processing equipment.

Regulatory Compliance

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