

AT 7205

LOW DENSITY POLYETHYLENE

Product Description

This resin is commonly used for blow molding and extruded tubing applications due to its high strength, excellent environmental stress crack resistance, and good gloss.

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	0	%	0	%	PTM-39
Melt Index (190 °C/2.16 kg)	0.3	g/10 min.	0.3	g/10 min.	ASTM D1238
Density	924	kg/m ³	0.924	g/cm ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

Vicat Softening Point	101	°C	214	°F	ASTM D1525
-----------------------	-----	----	-----	----	------------

Molded Plaque Properties

Tensile Strength at Break	20	MPa	2900	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	610	%	610	%	
Hardness - Shore A	97	--	97	--	ASTM D2240
Hardness - Shore D	52	--	52	--	
Flexural Modulus (1% Secant)	270	MPa	39,160	psi	ASTM D790

Processing Information

Regulatory Compliance

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