

Total Finathene® 6002 HDPE, blow molding, pipe (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

FINATHENE® 6002 is a high density polyethylene produced by the slurry loop low pressure polymerization process. FINATHENE® 6002 has been especially developed for the manufacturing of toys and of blow molded bottles for diverse non-aggressive liquids such as food, oil and cosmetics. Its low melt viscosity is particularly suitable for high output processing equipment. Its high rigidity is especially appreciated when bottle weight reduction is critical. FINATHENE® 6002 is best processed at temperatures between 180 and 220°C. Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Finathene-6002-HDPE-blow-molding-pipe-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	ISO 1183
Environmental Stress Crack Resistance	15 hour	15 hour	ASTM D1693-70
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 2.16 kg	@Load 4.76 lb	
	1.4 g/10 min	1.4 g/10 min	ASTM D 1238
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	28 g/10 min	28 g/10 min	ISO 1133
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	26.0 MPa	3770 psi	ISO 527
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 527
Elongation at Break	>= 700 %	>= 700 %	ISO 527
Elongation at Yield	8.0 %	8.0 %	ISO 527
Flexural Modulus	1.50 GPa	218 ksi	ISO 178
Tensile Impact Strength	80.0 kJ/m ²	38.1 ft-lb/in ²	Notched, -30°C; ISO 8256
	230 kJ/m ²	109 ft-lb/in ²	Notched, 23°C; ISO 8256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	128 °C	262 °F	ISO 306

Descriptive Properties	Value	Comments
Food Approval	This material complies with the main regulations concerning non-toxicity of plastics materials in contact with food stuffs.	

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