

## Total Finathene® 6006 HDPE, blow molding, pipe (discontinued \*\*)

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

### Material Notes:

Finathene® 6006 is a high density polyethylene produced by the slurry loop low pressure polymerization process. Polymerization is conducted in the absence of any other comonomer. Finathene® 6006 has been especially developed for the manufacturing of small rigid bottles (up to 5 liters) for non aggressive solids and liquids. Its very low melt viscosity is particularly suitable for high output processing equipment. Finathene® 6006 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-6006-HDPE-blow-molding-pipe-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Finathene-6006-HDPE-blow-molding-pipe-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.963 g/cc	0.0348 lb/in <sup>3</sup>	ISO 1183
Environmental Stress Crack Resistance	10 hour	10 hour	ASTM D1693-70
Melt Flow	0.65 g/10 min	0.65 g/10 min	ISO 1133
	@Load 2.16 kg	@Load 4.76 lb	
	3.0 g/10 min	3.0 g/10 min	ASTM D 1238
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	50 g/10 min	50 g/10 min	ISO 1133
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	21.0 MPa	3050 psi	ISO 527
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527
Elongation at Break	>= 700 %	>= 700 %	ISO 527
Elongation at Yield	8.0 %	8.0 %	ISO 527
Flexural Modulus	1.60 GPa	232 ksi	ISO 178
Tensile Impact Strength	50.0 kJ/m <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	Notched, -30°C; ISO 8256
	205 kJ/m <sup>2</sup>	97.5 ft-lb/in <sup>2</sup>	Notched, 23°C; ISO 8256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	130 °C	266 °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.	

## Contact Songhan Plastic Technology Co.,Ltd.

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