

Total Finathene® SI 508 HDPE blow molding (discontinued **)

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

Material Notes:

Finathene® SI 508 is part of a new generation of high density ethylene-hexene copolymers produced by the slurry loop low pressure polymerization process. Finathene® SI 508 is a high molecular weight pelletized resin intended for the blow-molding of medium size containers. Because of its high molecular weight, Finathene SI508 may be used to produce containers with a higher impact strength, an excellent stress crack resistance and low creep under load. FINATHENE® SI 508 is best processed at temperatures between 180 and 220°C. FINATHENE® SI 508 has been especially developed for the production of containers to be submitted to the regulations for transportation of dangerous goods. 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-SI-508-HDPE-blow-molding-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
Environmental Stress Crack Resistance	>= 250 hour	>= 250 hour	ASTM D1693-70
High Load Melt Index	8.0 g/10 min @Load 21.6 kg	8.0 g/10 min @Load 47.6 lb	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	37.0 MPa	5370 psi	ISO 527
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527
Elongation at Break	>= 700 %	>= 700 %	ISO 527
Elongation at Yield	9.0 %	9.0 %	ISO 527
Flexural Modulus	1.25 GPa	181 ksi	ISO 178
Tensile Impact Strength	110 kJ/m ²	52.3 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	127 °C	261 °F	ISO 306

Descriptive Properties	Value	Comments
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This material complies with the main regulations concerning non-toxicity of plastics materials in

Food Approval Descriptive Properties	contact with food stuffs. Value	Comments
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