

## Total Finathene® 53080 HDPE, blow molding, sheet (discontinued \*\*)

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

### Material Notes:

Finathene E® 53080 is a high density polyethylene produced by the slurry loop low pressure polymerization process. Finathene E® 53080 has been especially developed for the production of containers to be submitted to the regulations for transportation of dangerous goods. Finathene® 53080 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-53080-HDPE-blow-molding-sheet-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Finathene-53080-HDPE-blow-molding-sheet-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in <sup>3</sup>	ISO 1183
Environmental Stress Crack Resistance	200 hour	200 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	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	38.0 MPa	5510 psi	ISO 527
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 527
Elongation at Break	>= 700 %	>= 700 %	ISO 527
Elongation at Yield	9.0 %	9.0 %	ISO 527
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Tensile Impact Strength	120 kJ/m <sup>2</sup>	57.1 ft-lb/in <sup>2</sup>	Notched, -30°C; ISO 8256
	280 kJ/m <sup>2</sup>	133 ft-lb/in <sup>2</sup>	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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Food Approval	This material complies with the main regulations concerning non-toxicity of plastics materials in contact with food stuffs.	
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