Total Finathene® 56020 HDPE, blow molding, sheet (discontinued **)

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

Material Notes:

FINATHENE® 56020 S is a very high molecular weight high density polyethylene produced by the slurry loop low pressure polymerization process. FINATHENE® 56020 S has been especially developed for the manufacturing of blow molded rigid containers offering a high impact resistance and stackability behavior (transport of dangerous goods). This grade can also be used in sheet extrusion and compression. FINATHENE® 56020 S is available as fluff (average particle size : 800 microns) and 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-56020-HDPE-blow-molding-sheet-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in³	ISO 1183
Environmental Stress Crack Resistance	>= 200 hour	>= 200 hour	ASTM D1693-70
High Load Melt Index	2.1 g/10 min @Load 21.6 kg	2.1 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	8.0 %	8.0 %	ISO 527
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Tensile Impact Strength	150 kJ/m²	71.4 ft-lb/in²	Notched, -30°C; ISO 8256
	275 kJ/m²	131 ft-lb/in²	Notched, 23°C; ISO 8256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	131 °C	268 °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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