Total Xsene® BM 593 HDPE, blow molding

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

Material Notes:

FINATHENE® BM 593 is a new generation of bimodal high density polyethylene based on hexene (C6) as co-monomer and is produced by the ATOFINA Double Loop Technology™. FINATHENE® BM 593 has been especially designed for the manufacture of blow molded bottles for aggressive liquids (up to 5 liters). Typical applications are bottles for the packaging of liquid detergents and personal care products. FINATHENE® BM 593 has a broad (bimodal) molecular weight distribution that ensures easy processing, high machine output and bottles with a good surface finish. Due to the combination of hexene (C6) co-monomer and a bimodal molecular weight distribution, FINATHENE® BM 593 offers an excellent balance between stiffness and environmental stress crack resistance. This ensures a high security of stacking during transit and storage of bottles. FINATHENE® BM 593 is best processed at temperatures between 180 and 220°C.Information provided by Total Petrochemicals.Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Total-Xsene-BM-593-HDPE-blow-molding.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in³	ISO 1183
Environmental Stress Crack Resistance	>= 200 hour	>= 200 hour	ASTM D1693-70
Melt Flow	0.27 g/10 min @Load 2.16 kg	0.27 g/10 min @Load 4.76 lb	ISO 1133
High Load Melt Index	26 g/10 min @Load 21.6 kg	26 g/10 min @Load 47.6 lb	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	28.0 MPa	4060 psi	ISO 527
Tensile Strength, Yield	31.0 MPa	4500 psi	ISO 527
Elongation at Break	>= 700 %	>= 700 %	ISO 527
Elongation at Yield	7.0 %	7.0 %	ISO 527
Flexural Modulus	1.55 GPa	225 ksi	ISO 178

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058

Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China