

Braskem Green PE SGM7746C Blow Molding and Monofilament High Density Polyethylene

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

Material Notes:

Lower greenhouse gas emissions100% made from renewable raw materialsPerformance and Competitiveness: Green Polyethylene has the same characteristics as petrochemical polyethyleneApplications: Mono and multilayer fuel tanks for automobiles; Small volume automotive reservoirs; Sheet extrusion for pickup rear protectors.Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Green-PE-SGM7746C-Blow-Molding-and-Monofilament-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.944 g/cc	0.944 g/cc	ASTM D792
ESCR 100% Igepal®	>= 1000 hour @Temperature 50.0 °C	>= 1000 hour @Temperature 122 °F	h/F50; Compression molded 2mm notched-plaques; ASTM D1693
ESCR 10% Igepal®	185 hour @Temperature 50.0 °C	185 hour @Temperature 122 °F	h/F50; Compression molded 2mm notched-plaques; ASTM D1693
Melt Flow	4.5 g/10 min @Load 21.6 kg, Temperature 190 °C	4.5 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength at Break	42.0 MPa	6090 psi	ASTM D638
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Flexural Modulus, 1% Secant	1080 MPa	157000 psi	ASTM D790
Izod Impact, Notched	7.60 J/cm	14.2 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	ASTM D648
Vicat Softening Point	126 °C	259 °F	ASTM D1525

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