

Braskem GM8250T HDPE High Density Extrusion Polyethylene

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

Material Notes:

GM8250T is a high-density polyethylene specially developed for the manufacturing of corrugated pipes. It has high molar mass and shows excellent tenacity, high stiffness, good impact resistance, and good resistance to stress cracking, as well as a high resistance to oxidative degradation. Its applications include corrugated pipes for energy and telecom cables protection and for drainage of roads and sports fields.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-GM8250T-HDPE-High-Density-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM-D792
ESCR 100% Igepal®	530 hour @Thickness 2.00 mm, Temperature 50.0 °C	530 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
Oxidative Induction Time (OIT)	>= 40 min @Temperature 200 °C	>= 40 min @Temperature 392 °F	ASTM-D3895
Melt Flow	8.0 g/10 min @Load 21.6 kg, Temperature 190 °C	8.0 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM-D2240
Tensile Strength at Break	38.0 MPa	5510 psi	ASTM-D638
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM-D638
Elongation at Break	850 %	850 %	ASTM-D638
Elongation at Yield	8.2 %	8.2 %	ASTM-D638
Flexural Modulus, 1% Secant	1320 MPa	191000 psi	ASTM-D790
Izod Impact, Notched	3.45 J/cm	6.46 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.0 °C	165 °F	ASTM-D648
Vicat Softening Point	128 °C @Load 1.02 kg	262 °F @Load 2.25 lb	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