

Braskem GM8260 HDPE Blow Molding Polyethylene Homopolymer

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

Material Notes:

HDPE GM8260 is a high-density polyethylene homopolymer that has high molecular weight and was developed for the blow molding segment of large volumes. Its applications include: drums for lubricant oils, multipurpose extrusion, and sheets.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-GM8260-HDPE-Blow-Molding-Polyethylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM-D792
ESCR 100% Igepal®	27 hour @Thickness 2.00 mm, Temperature 50.0 °C	27 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
Melt Flow	0.42 g/10 min @Load 5.00 kg, Temperature 190 °C	0.42 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM-D1238
	12 g/10 min @Load 21.6 kg, Temperature 190 °C	12 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM-D2240
Tensile Strength at Break	38.0 MPa	5510 psi	ASTM-D638
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM-D638
Flexural Modulus, 1% Secant	1160 MPa	168000 psi	ASTM-D790
Izod Impact, Notched	3.30 J/cm	6.18 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ASTM-D648
Vicat Softening Point	127 °C @Load 1.02 kg	261 °F @Load 2.25 lb	ASTM-D1525

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