

## Braskem GF4960 HDPE Blow Molding Polyethylene Homopolymer

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

### Material Notes:

GF 4960 is a high-density polyethylene homopolymer with high density and stiffness combined with high impact resistance. It was developed for the blow-molding segment. It is used in containers for yogurt, water, alcohol, cosmetics, lubricant oils, and water reservoirs.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-GF4960-HDPE-Blow-Molding-Polyethylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Braskem-GF4960-HDPE-Blow-Molding-Polyethylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.961 g/cc	0.0347 lb/in <sup>3</sup>	ASTM-D792
ESCR 100% Igepal®	25 hour @Thickness 2.00 mm, Temperature 50.0 °C	25 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
Melt Flow	0.34 g/10 min @Load 2.16 kg, Temperature 190 °C	0.34 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238
	28 g/10 min @Load 21.6 kg, Temperature 190 °C	28 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	ASTM-D638
Flexural Modulus, 1% Secant	1400 MPa	203000 psi	ASTM-D790
Izod Impact, Notched	2.25 J/cm	4.22 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	79.0 °C	174 °F	ASTM-D648

Processing Properties	Metric	English	Comments
Feed Temperature	180 °C	356 °F	
Rear Barrel Temperature	190 °C	374 °F	
Middle Barrel Temperature	185 °C	365 °F	
Front Barrel Temperature	180 °C	356 °F	
Die Temperature	185 °C	365 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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