

## Braskem HB0454HR HDPE Blow Molding Polyethylene Copolymer

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

### Material Notes:

HB0454HR is a high-density polyethylene copolymer resin with average molecular weight produced by the Unipol® process. A bottle made with HB0454HR shows excellent processability, color, and superficial appearance, and does not have residual odor. Its applications include: small medicine bottles, and bottles for cleaning products, cosmetics, food products, and tensioactive products.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-HB0454HR-HDPE-Blow-Molding-Polyethylene-Copolymer.php](http://www.lookpolymers.com/polymer_Braskem-HB0454HR-HDPE-Blow-Molding-Polyethylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.957 g/cc	0.0346 lb/in <sup>3</sup>	ASTM-D792
ESCR 100% Igepal®	33 hour	33 hour	0.3 mm notched-plaques; ASTM-D1693
	@Thickness 2.00 mm, Temperature 50.0 °C	@Thickness 0.0787 in, Temperature 122 °F	
ESCR 10% Igepal®	13 hour	13 hour	0.3 mm notched-plaques; ASTM-D1693
	@Thickness 2.00 mm, Temperature 50.0 °C	@Thickness 0.0787 in, Temperature 122 °F	
Melt Flow	0.33 g/10 min	0.33 g/10 min	ASTM-D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	29 g/10 min	29 g/10 min	ASTM-D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM-D2240
Tensile Strength at Break	32.0 MPa	4640 psi	ASTM-D638
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM-D638
Flexural Modulus, 1% Secant	1100 MPa	160000 psi	ASTM-D790
Izod Impact, Notched	1.49 J/cm	2.79 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	ASTM-D648
Vicat Softening Point	128 °C	262 °F	ASTM-D1525
	@Load 1.02 kg	@Load 2.25 lb	

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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