

Product Data Sheet: BG-HD-5030

High Density PE	Injection Molding	
HDPE: BG-HD-5030	Density: 0.948-0.952	MFI: 2.7-3.3
Feature: <ul style="list-style-type: none"> Co-monomer: Butene-1 High Impact Strength High Elongation High Stress Cracking Resistance 	Application: <ul style="list-style-type: none"> Injection Molding Grade for Caps & Closure Blending Lamination 	Additive: <ul style="list-style-type: none"> UV Stabilizer* Antioxidants

❖ **Material properties** (this data are typical values and shall not be construed as product specifications.)

Resin Properties	Unit	Condition	Typical Value	Test Method
Melt Flow Rate (MFR)	g/10 min	190°C/2.16 kg	2.7-3.3	ASTM D1238
Density	g/cm ³	23°C	0.948-0.952	ASTM D1505
Physical Properties	unit	Condition	Typical value	Test method
F/E Ratio	–	–	26±2	ASTM D1238
Vicat	°C	–	132	ASTM D1525
Tensile Stress @Yield	Mpa	–	28	ASTM D638
Tensile Strain @Yield	%	–	8	ASTM D638
Flexural Modulus	Mpa	–	1100	ASTM D790
Izod Impact Resistance	J/m	Notched Method	127	ASTM D256
ESCR (IGEPAL 10%)	HR	(F50, 50°C)	>500	ASTM D1693
Contamination	%	–	<20	BASELL MTM-17064 E

* Guaranteed items: MFR, Density & F/E Ratio.

* Anti-Uv Stabilizer will be added to the polymer according to the customer request.

* The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

* It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers' particular purposes. The customer is responsible for the appropriate, safe & legal use, processing and handling of all product(s) purchased from us.

* Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particularly, warranty of merchantability or fitness for a particular purpose.