



Product Data Sheet: BG-HD-52B18

High Density Polyethylene	Injection Molding	
HDPE: BG-HD BL3	Density: 0.950-0.954	MFI: 15-21
Feature: <ul style="list-style-type: none"> • Comonomer Butene-1 (C4) • Easy Processing • High Strength 	Application: <ul style="list-style-type: none"> • General Purpose • Thin Walled Foam Containers 	Additive: <ul style="list-style-type: none"> • Acid Scavenger • Antioxidants • Lubricants • UV Stabilizer

* **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	15-21	ASTM D1238-10
Density	g/cm ³	23°C	0.950-0.954	ASTM D1505-10
Physical Properties	unit	Condition	Typical value	Test method
Bulk Density	g/cm ³	-	0.60-0.63	-
Yellowness Index	-	-	<30	ASTM D1238
Flexural Tangential Modulus@5%	Mpa	-	1200	ASTM D790-10
Tensile Stress@Yield	Mpa	-	28	ASTM D882-10
Tensile Stress@Break	Mpa	-	14	ASTM D882-10
Elongation@Break	%	-	400	ASTM D882-10
Vicat	%	-	131	ASTM D882-10
IZOD Impact Resistance	J/m	Notched Method	40	ASTM D256-02
Ti Content	Ppm wt	-	<5=(2)	MTM15636

* Guaranteed items: MFR & Density.

* 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.



Product Data Sheet: BG-HD-BL3

High Density Polyethylene	Small Blow Molding	
HDPE: BG-HD BL3	Density: 0.945±0.002	MFI: 1.2 ± 0.3
Feature: <ul style="list-style-type: none"> • Commoner Butene-1 (C4) • High Stiffness • Good Flow ability • Good Impact Strength • Good Stress cracking 	Application: <ul style="list-style-type: none"> • High Density • Containers with capacities ranging from a few ml up to 10 liters 	Additive: <ul style="list-style-type: none"> • Antioxidants • Lubricant

* **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)	gr/10min	190°C/2.16 kg	1.2±0.3	ASTM D-1238
Density	gr/cm ³	-	0.945±0.002	ASTM D-1505
Physical Properties	unit	Condition	Typical value	Test method
Notched impact	Kj/m ²	23°C	9	ISO 179/1 EA
Swell Ratio	Mpa	-	110±15%	-
Tensile Modulus(MD)	%	-	1250	ISO 527
Tensile Modulus(TD)	Mpa	-	1250	ISO 527
Tensile STR@Break (MD)	Mpa	-	32	ISO 527
Tensile STR@Break (TD)	Mpa	-	32	ISO 527
Elongation @Break	%	-	>600	ISO 527
Elongation @Yield	%	-	10	ISO 527
Softening Temperature	°C	-	77	ISO 306
Volatiles	Wt%	-	≤0.02	ASTM D 1960

* Guaranteed items: MFR & Density.

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