

Product Data Sheet: BG-HD-52B18

High Density Polyethylene	Injection Molding	
HDPE: BG-HD-52B18	Density: 0.952 ± 0.002	MFI: 18 ± 2
Feature: • Comonomer Butene-1 (C4) • Easy Processing • High Strength • High Rigidity	Application: • General Purpose • Thin Walled Foam Containers	Additive: • 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	18 ± 2	ASTM D1238-10
Density	g/cm ³	23°C	0.952 ± 0.002	ASTM D1505-10
Physical Properties	unit	Condition	Typical value	Test method
Bulk Density	g/cm ²	-	0.57	ASTM D1895
F/E Ratio	-	-	<30	ASTM D1238
Yellowness Index	-	-	<4 (0.5)	ASTM D1925
Ti Content	PPM Wt	-	≤5 (2)	MTM 15636
Tensile Strength @ Yield	MP	-	25-27	ASTM D638
Tensile Strength @ Break	MP	-	14	ASTM D638
Elongation @ Break	%	-	>150	ASTM D638
Vicat	°C	-	130-134	ASTM D1525
Flexural Modulus	MP	-	1300-1400	ASTM D790
Izod Impact	J/Min	-	36	ASTM D256

IRAN: +989120712918

South Korea: +821020267158

Turkey : +905436333806