

TECHNICAL DATA SHEET

Product Data sheet: BG-HD-6040

High Density Polyethylene	Injection Molding	
HDPE: BG-HD-6040	Density: 0.956-0.960	MFI: 3.5-4.3
Feature: <ul style="list-style-type: none"> High tensile strength High Elongation High Toughness Good Stiffness 	Application: <ul style="list-style-type: none"> Pallets Dustbins & Pails Shipping Container Fish Crates Storing Cases 	Additive: -

❖ **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	3.5-4.3	ASTM D1238
Density	g/cm ³	23°C	0.956-0.960	ASTM D1505
Physical Properties	Unit	Condition	Typical Value	Test Method
Izod Impact	J/M	-	Min. 85	ASTM D256
Flexural Young Modulus	MPa	-	Max. 1300	ASTM D638
Tensile Modulus	MPa	-	1040	ASTM D638
Tensile Strength @ Yield	MPa	-	31-33	ASTM D638
Tensile Strength @ Break	MPa	-	Min. 15	ASTM D638
Tensile Elongation @ Yield	MPa	-	Min. 8	ASTM D638
Tensile Elongation @ Break	%	-	Min. 1300	ASTM D638
Vicat Softening Temperature	°C	-	130-133	ASTM D1525