

## Product Data Sheet: BG-HD-6040UV

High Density Polyethylene	Injection Molding	
HDPE: BG-HD-6040 (UV)	Density: 0.958-0.961	MFI: 3.6-4.4
<b>Feature:</b> <ul style="list-style-type: none"> <li>• Comonomer: Buten1</li> </ul>	<b>Application:</b> <ul style="list-style-type: none"> <li>• Pallet</li> <li>• Dustbins &amp; Pails</li> <li>• Shipping Container</li> <li>• Fish Crats</li> <li>• Storing Cases</li> </ul>	<b>Additive:</b> <ul style="list-style-type: none"> <li>• Neutralizer: Calcium Stearat</li> <li>• Antioxidants: Irganox1010 &amp; Irgafos168</li> <li>• UV Stabilizer</li> </ul>

\* **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 min	190°C/2.16 kg	3.6-4.4	ASTM D 1238
Density	gr/cm <sup>3</sup>	23 °C	0.958-0.961	ASTM D 1505
Vicat softening Temperature	°C	At 10 N(VST/A)	133	ASTM D 1525
Tensile Modulus	Mpa	-	1040	ASTM D 638
Tensile Strength @ Yield	Mpa	-	33	ASTM D 638
Tensile Strength @ Break	Mpa	-	15	ASTM D 638
Tensile Elongation @ Yield	%	-	8	ASTM D 638
Tensile Elongation @ Break	%	-	1300	ASTM D 638
Flexural Modulus	Mpa	-	1300	ASTM D 790
Izod Impact (notched)	J/M	23±2 °C	85	ASTM D 256
Shrinkage	%	-	2	ASTM D 955

\* 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.