



LDPE	LLDPE	MDPE	<b>HDPE</b>	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC	E.P.
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## **HDPE- BL3**

### **HIGH DENSITY POLYETHYLENE**

### **(HF 4760)**

#### **General Informations:**

BL3 is high density polyethylene grade with Butene 1 as comonomer, with high density and stiffness, good flowability, impact strength and good stress cracking resistance.

BL3 is producing under Basell Licence in Amir Kabir Petrochemical Co. and Maroun petrochemical Co..

#### **Applications:**

BL3 is Blow molding grade suitable for container with capacity ranging from a few ml to 10 liters, also production of sheets for thermoforming.

#### **Specifications:**

<b>Properties</b>	<b>Unit</b>	<b>Test Method</b>	<b>Value</b>
<b>MFR (190/5kg)</b>	<b>g/10min</b>	<b>ISO1133</b>	<b>1.2±0.3</b>
<b>MFR(190/21.6)</b>	<b>g/10min</b>	<b>ISO1133</b>	<b>23±4</b>
<b>FRR21.6/5</b>	<b>-</b>	<b>-</b>	<b>19</b>
<b>Density</b>	<b>gr/ cm3</b>	<b>ISO1183</b>	<b>0.954±0.002</b>
<b>Notched impact strength(@23°C)</b>	<b>kJ/m2</b>	<b>ISO179/1eA</b>	<b>9 min</b>
<b>Swelling ratio</b>	<b>%</b>	<b>Internal Method</b>	<b>110±15</b>

The above data are typical laboratory average . They are intended to serve as guides only.



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#### **Recommended Processing Conditions :**

**BL3 can be processed in most types of blow moulding equipments.**

Temperature settings:	°C	180 to 200
Mould temperature	°C	5 to 40
Shrinkage and post-shrinkage	%	1.5 to 2.5

#### **Storage:**

**BL3 should be stored in dry and dust free environment at temperature below 50°C. Exposure to direct sun light should be avoided as this may lead to product deterioration.**

#### **Recycling & Environment :**

**End products made from this polymer can be recycled , incinerated or disposed of in landfill without detriment to the environment. With recycling , clean waste can be re-used for many less demanded applications .**

**Alternatively , with properly controlled and efficient incineration , preferably linked to heat or other energy recovery system, polyethylene's high calorific value will assist the combustion of municipal solid waste .**

**In landfill sites BL3 does not degrade to produce voids , and does not emit dangerous gases or contribute to ground water pollution .**

**If pigments or other additives are incorporated into this product at the processing stage, the above statements may not be fully valid .**

#### **Packaging:**

**This product is packed in 25 Kg PE bags.**