



## HDPE BL3

High Density Polyethylene · Blow Moulding Grade

Also traded as HF4760 · Origin: Iran

MFR (190 °C / 5 KG)

1.2 g/10 min

DENSITY

0.954 g/cm<sup>3</sup>

PROCESS

Blow Moulding

CONTAINER SIZE

&lt; 5 L

## PRODUCT DESCRIPTION

HDPE BL3 is a blow moulding grade with 1-butene comonomer. High rigidity and an excellent balance of stiffness and environmental stress-crack resistance make it ideal for detergent and medicine bottles and all bottles and small containers below 5 litres.

- High density & stiffness
- Good stress-crack resistance
- Good flow & impact strength
- Food-contact grade

## PROCESSING GUIDE

|                  |                         |
|------------------|-------------------------|
| Process          | Extrusion blow moulding |
| Melt temperature | 180 – 210 °C            |
| Container size   | Few ml – 5 L            |
| Swell ratio      | 120 %                   |

## TYPICAL PROPERTIES

| PROPERTY                                | TEST METHOD | UNIT              | TYPICAL VALUE |
|-----------------------------------------|-------------|-------------------|---------------|
| <b>PHYSICAL</b>                         |             |                   |               |
| Melt Flow Rate (190 °C / 21.6 kg)       | ISO 1133    | g/10 min          | 23            |
| Melt Flow Rate (190 °C / 5 kg)          | ISO 1133    | g/10 min          | 1.2           |
| Flow Rate Ratio (21.6 / 5)              | —           | —                 | 19            |
| Density                                 | ISO 1183    | g/cm <sup>3</sup> | 0.954         |
| Swell Ratio                             | MPC test    | %                 | 120           |
| <b>MECHANICAL</b>                       |             |                   |               |
| Notched Impact Strength (23 °C)         | ISO 179/1eA | kJ/m <sup>2</sup> | 10            |
| Flexural Creep Modulus (4-point, 1 min) | DIN 19537-2 | MPa               | 1300          |
| Tensile Modulus (23 °C, secant)         | ISO 527     | MPa               | 1250          |
| Stress at Break                         | ISO 527     | MPa               | 32            |
| Elongation at Break                     | ISO 527     | %                 | > 600         |
| Hardness, Shore D                       | ISO 868     | —                 | 62            |

## APPLICATIONS



## PACKAGING

25 kg PE / woven bags  
Palletised or jumbo on request  
20' / 40' container loading

## SUPPLY

Delivery ex-factory or at border  
100% pre-shipment inspection  
Full export documentation



## Get Today's Price

Scan to request a quote for HDPE BL3 on WhatsApp.

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

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/product/hdpe-bl3/

The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.

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