

Arak HDPE BL4

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

BL4 is a high density polyethylene grade with high molecular weight, suitable for blow moulding applications.

Characteristics:

- High rigidity.
- Good impact strength.
- Excellent surface finish.
- High stress cracking resistance.

Typical applications are:

- Containers from 1 litre up to 200 litres capacity.

* BL4 is suitable for food contact.

| General Information | | | |
|--|----------------------------------|----------|-----------------|
| Features | Food Contact Acceptable | | |
| | Good Impact Resistance | | |
| | Good Surface Finish | | |
| | High ESCR (Stress Crack Resist.) | | |
| | High Molecular Weight | | |
| | High Rigidity | | |
| Uses | Blow Molding Applications | | |
| | Containers | | |
| Processing Method | Blow Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.953 | g/cm³ | DIN 53479 |
| Melt Mass-Flow Rate (MFR) (190°C/5.0 kg) | 0.28 | g/10 min | DIN 53735 |
| Environmental Stress-Cracking Resistance ¹ (70°C) | > 7.50 | hr | Internal Method |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | > 12 | kJ/m² | DIN 53453 |
| Optical | Nominal Value | Unit | Test Method |
| Yellowness Index | < 4.0 | YI | DIN 6167 |
| NOTE | | | |
| 1. | plax, 0.5 bar | | |

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