

**Braskem HB 0055 HDPE Blow Molding Polyethylene (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

**Material Notes:**

Applications: 200 liters L-ring drums. Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-HB-0055-HDPE-Blow-Molding-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Braskem-HB-0055-HDPE-Blow-Molding-Polyethylene-nbspdiscontinued-.php)

| Physical Properties  | Metric   | English   | Comments                                |
|----------------------|--|---|---|
| Density              | 0.954 g/cc   | 0.0345 lb/in <sup>3</sup>                               | ASTM D1505                              |
| ESCR 100% Igepal®    | 268 hour<br>@Thickness 3.00 mm,<br>Temperature 23.0 °C | 268 hour<br>@Thickness 0.118 in,<br>Temperature 73.4 °F | compression molded plaques; ASTM D1693B |
| High Load Melt Index | 4.0 g/10 min<br>@Load 21.6 kg,<br>Temperature 190 °C   | 4.0 g/10 min<br>@Load 47.6 lb,<br>Temperature 374 °F    | ASTM D1238                              |

| Mechanical Properties   | Metric    | English       | Comments   |
|-------------------------|-----------|---------------|------------|
| Hardness, Shore D       | 65        | 65            | ASTM D2240 |
| Tensile Strength, Yield | 29.0 MPa  | 4210 psi      | ASTM D638  |
| Flexural Modulus        | 1.254 GPa | 181.9 ksi     | ASTM D790  |
| Izod Impact, Notched    | 8.34 J/cm | 15.6 ft-lb/in | ASTM D256  |

| Thermal Properties                          | Metric  | English | Comments   |
|---|---------|---------|------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 72.0 °C | 162 °F  | ASTM D648  |
| Vicat Softening Point                       | 129 °C  | 264 °F  | ASTM D1525 |

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