Braskem

Datasheet
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# High Density Polyethylene HS5608

## Description:

HS5608 is a high-density polyethylene with high molecular weight, copolymer. Offers good processability, outstanding stress cracking resistance (ESCR), excellent stiffness and impact strength. Suitable for blow molding of large volumes

## Applications:

Blow molding large volumes, Packages up to 60 liters for domestic, chemical and industrial products

## Processes:

Extrusion Blow Molding

## Control Properties:

| Feature | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (190°C/21.6kg) | D 1238 | g/10 min | 8.5 |
| Density | D 792 | g/cm³ | 0.954 |
| FNCT | Braskem | min | > 300 |

## Typical Properties:

Plaque Properties

| Feature | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (190°C/5kg) | ASTM D 1238 | g/ 10 min | 0.3 |
| Tensile Strength at Yield (a) | ASTM D 638 | MPa | 30 |
| Tensile Strength at Break (a) | ASTM D 638 | MPa | 35 |
| Flexural Modulus - 1% Secant (b) | ASTM D 790 | MPa | 1200 |
| Tensile Impact Strength ISO at 23 °C | ISO 8256 | kJ/m² | 120 |
| Deflection Temperature under Load at 0.455 MPa (b) | ASTM D 648 | °C | 70 |

Typical properties correspond to average values obtained in our laboratories. Test specimens prepared from compression molded sheet made according to ASTM D 4703. Thickness of test piece: a) 2 mm; b) 3 mm.

## Final Remarks

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