Braskem

Data Sheet
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# High Density Polyethylene HS5502XP

## Description:

HS5502XP is a High Density Polyethylene, copolymer, that offers a high stress cracking resistance (ESCR) maintaining a good balance between mechanical properties and processability.

## Applications:

Blow molding small volumes

## Processes:

Extrusion Blow Molding

## Control Properties:

| Characteristic | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (190°C/21.6kg) | ASTM D 1238 | g/10 min | 30 |
| Density | D 792 | g/cm³ | 0.955 |

## Typical Properties:

Plaque Properties

| Characteristic | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (190°C/2,16kg) | ASTM D 1238 | g/ 10 min | 0.35 |
| Tensile Strength at Yield (a) | ASTM D 638 | MPa | 25 |
| Tensile Strength at Break (a) | ASTM D 638 | MPa | 25 |
| Flexural Modulus - 1% Secant (b) | ASTM D 790 | MPa | 1200 |
| Tensile Impact Strength ISO at 23 °C | ISO 8256 | kJ/m² | 95 |
| Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 10% Igepal CO630 (a) | ASTM D 1693 | h/F50 | 40 |
| Deflection Temperature under Load at 0.455 MPa (b) | ASTM D 648 | °C | 75 |

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:

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.