Braskem

**Datasheet**
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# Low Density Polyethylene S0729

## Description:
S0729 is a low density polyethylene resin with good mechanical properties, high stiffness and improved temperature resistance. Non-additivated.

## Applications:
Pharmaceutical products packaging

## Processes:
Extrusion Blow Molding

## Control Properties:

| Feature | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (190°C/2.16kg) | ASTM D 1238 | g/10 min | 0.7 |
| Density | ASTM D 792 | g/cm³ | 0.929 |

## Typical Properties - Plaque[1]:
Plaque Properties

| Feature | Method | Units | Values |
|---|---|---|---|
| Tensile Strength at Yield (a) | ASTM D 638 | MPa | 14 |
| Tensile Strength at Break (a) | ASTM D 638 | MPa | 16 |
| Elongation at Break (a) | ASTM D 638 | % | 890 |
| Flexural Modulus - 2% Secant (b) | ASTM D 790 | MPa | 295 |
| Hardness (c) | ASTM D 2240 | - | 53 |
| Vicat Softening Temperature at 10 N (b) | ASTM D 1525 | °C | 102 |
| Melting temperature | ASTM D 3417/D 3418 | °C | 115 |

[1] Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

## Final Remarks

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