

## High Density Polyethylene GE7252

**Description:**

GE7252 is a bimodal High Density Polyethylene specially developed for the manufacturing of caps and closures that require high stress cracking resistance.

**Applications:**

Caps and closures for low or non CO<sub>2</sub> content

**Process:**

Injection Molding.

**Control Properties:**

|                           | ASTM Methods | Units             | Values |
|---------------------------|--------------|-------------------|--------|
| Melt Flow Rate (190/2.16) | D 1238       | g/10 min          | 2.0    |
| Density                   | D 792        | g/cm <sup>3</sup> | 0.952  |

**Typical Properties:**

Plaque Properties<sup>a</sup>

|   | ASTM Methods | Units | Values |
|---|--------------|-------|--------|
| Tensile Strength at Yield                             | D 638        | MPa   | 26     |
| Tensile Strength at Break                             | D 638        | MPa   | 32     |
| Elongation at Yield                                   | D 638        | %     | 9      |
| Elongation at Break                                   | D 638        | %     | 400    |
| Flexural Modulus                                      | D 790        | MPa   | 1100   |
| Environmental Stress Cracking Resistance <sup>b</sup> | D 1693 B     | h/F50 | 15     |

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

(b) Compression molded 2 mm thickness, 0.3 mm notched-plaques; 10% Igepal; 50°C.

