

LUTENE-H ME2500S2

High Density Polyethylene

Applications

- Cap & Closure for beverage bottles of sparkling water
- Hot-fill and Carbonated soft drinks

Description

- LUTENE-H **ME2500S2** is mainly intended for injection molding and compression molding of bottle caps and closures.
- It has an excellent environmental stress crack resistance and organoleptic property.

Typical properties

| Characteristics | Test Method | Unit | Value |
|--|--------------------------|--------------------|-------|
| Physical⁽¹⁾ | | | |
| Density | ASTM D792 | g/cm ³ | 0.952 |
| MFI(190°C,2.16Kg) | ASTM D1238 | g/10min | 2.0 |
| Softening Point (Vicat) | ASTM D1525 | °C | 123 |
| Mechanical⁽²⁾ | | | |
| Tensile Strength at Yield point | ASTM D638 ⁽³⁾ | kg/cm ² | 280 |
| Elongation at Break | ASTM D638 ⁽³⁾ | % | >500 |
| Shore hardness(Shore D) | ASTM D2240 | - | 64 |
| Flexural Modulus1% Secant | ASTM D790 | kg/cm ² | 8,000 |
| IZOD Impact Strength at 23°C (notched) | ASTM D256 | kg·cm/cm | 10 |
| ESCR | ASTM D1693 | hr | 15 |
| Thermal | | | |
| Melting Temperature | LG Method | °C | 131 |

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical resin property values are measured on a standard compression molded specimens

(3) Speed of 50 mm/min.

Processing information

- LUTENE-H **ME2500S2** may be processed on conventional equipment. It is recommended that the melt temperature be kept below 250°C as decomposition can occur at higher temperature.