

LUTENE-H ME1000

High Density Polyethylene

Applications

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

Description

- LUTENE-H ME1000 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	0.9
Softening Point (Vicat)	ASTM D1525	°C	123
Mechanical⁽²⁾			
Tensile Strength at Yield point	ASTM D638 ⁽³⁾	kg/cm ²	260
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	8
ESCR	ASTM D1693	hr	50
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 ME1000 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.