

LUCENE™ SM250S

High Density Polyethylene

Applications

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

Description

- LUCENE **SM250S** 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.
- With slip agent

Typical properties

Characteristics	Test Method	Unit	Value
Physical⁽¹⁾			
Density	ASTM D1505	g/cm ³	0.952
MFR(190°C,2.16Kg)	ASTM D1238	g/10min	1.8
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⁾	%	>600
Shore hardness(Shore D)	ASTM D2240	-	64
Flexural Modulus1% Secant	ASTM D790	kg/cm ²	8,500
IZOD Impact Strength at 23°C (notched)	ASTM D256	kg·cm/cm	8.0
Thermal			
Melting Temperature	LG	°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

- LUCENE **SM250S** 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.

For additional sales, order and technical assistance

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