

# LUCENE™ SM800

High Density Polyethylene

## Applications

- Cap & Closure for beverage bottles of still mineral water and juice
- Cartridge

## Description

- LUCENE **SM800** is mainly intended for injection molding.
- It gives excellent processing performance
- Without slip agent

## Typical properties

Characteristics	Test Method	Unit	Value
<b>Physical<sup>(1)</sup></b>			
Density	ASTM D792	g/cm <sup>3</sup>	0.955
MFR(190°C,2.16Kg)	ASTM D1238	g/10min	8.0
Softening Point (Vicat)	ASTM D1525	°C	124
<b>Mechanical<sup>(2)</sup></b>			
Tensile Strength at Yield point	ASTM D638 <sup>(3)</sup>	kg/cm <sup>2</sup>	270
Elongation at Break	ASTM D638 <sup>(3)</sup>	%	>500
Shore hardness(Shore D)	ASTM D2240	-	65
Flexural Modulus1% Secant	ASTM D790	kg/cm <sup>2</sup>	10,500
Charpy Impact Strength at 23°C (notched)	ISO 179	KJ/m <sup>2</sup>	4.0
<b>Thermal</b>			
Melting Temperature	LG	°C	132

(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 SM800 is qualified to be processed with the standard injection machinery.
- It is recommended to keep the operational temperature below 250 °C to prevent decomposition of the material.

For additional sales, order and technical assistance

Revised : 23/08/2016

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