

LUCENE™ SM800Q

High Density Polyethylene

Applications

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

Description

- LUCENE **SM800Q*** is mainly intended for injection molding.
- * Q : This code means "under development" and it is possible to be modified.
- It has excellent processing performance
- Without slip agent

Typical properties

Characteristics	Test Method	Unit	Value
Physical⁽¹⁾			
Density	ASTM D792	g/cm ³	0.955
MFR(190°C,2.16Kg)	ASTM D1238	g/10min	8.0
Softening Point (Vicat)	ASTM D1525	°C	124
Mechanical⁽²⁾			
Tensile Strength at Yield point	ASTM D638 ⁽³⁾	kg/cm ²	290
Elongation at Break	ASTM D638 ⁽³⁾	%	>500
Shore hardness(Shore D)	ASTM D2240	-	65
Flexural Modulus1% Secant	ASTM D790	kg/cm ²	10,500
IZOD Impact Strength at 23°C (notched)	ASTM D256	kg·cm/cm	6.5
Thermal			
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 **SM800Q** 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.