

# LUCENE™ SM600Q

High Density Polyethylene

## Applications

- Transport and stacking crates, Pallet and Container

## Description

- LUCENE SM600Q\* is mainly intended for injection molding.
- It has excellent processing performance

## Typical properties

Characteristics	Test Method	Unit	Value
<b>Physical<sup>(1)</sup></b>			
Density	ASTM D792	g/cm <sup>3</sup>	0.961
MFR(190°C,2.16Kg)	ASTM D1238	g/10min	8.0
Softening Point (Vicat)	ASTM D1525	°C	125
<b>Mechanical<sup>(2)</sup></b>			
Tensile Strength at Yield point	ASTM D638 <sup>(3)</sup>	kg/cm <sup>2</sup>	295
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>	12,200
IZOD Impact Strength at 23°C (notched)	ASTM D256	kg·cm/cm	6.5
<b>Thermal</b>			
Melting Temperature	LG	°C	133

(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 SM600Q 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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