

# 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  |
|--|--------------------------|--------------------|--------|
| Physical <sup>(1)</sup>                |                          |                    |        |
| 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    |
| Mechanical <sup>(2)</sup>              |                          |                    |        |
| 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    |
| Thermal                                |                          |                    |        |
| 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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