

# Stamylex<sup>®</sup> 2H 280

## High density polyethylene

### DATA SHEET

#### Description

Stamylex<sup>®</sup> 2H 280 is a polyethylene homopolymer produced in a solution polymerisation process using a Ziegler – Natta catalyst. This grade does NOT contain an additive package for thermal stabilization.

Stamylex 2H 280 combines high stiffness with excellent flow properties.

#### Applications

Stamylex 2H 280 is designed as feedstock polymer for grafting.

Typical end-uses include rotational moulding goods.

| <b>General properties</b>           | <i>Units</i>      | <i>Typical values</i> | <i>Method</i> |
|-------------------------------------|-------------------|-----------------------|---------------|
| Melt Flow Rate (2.16 kg/190°C)      | dg/min            | 25                    | ISO 1133      |
| Density (23°C)                      | kg/m <sup>3</sup> | 966                   | ISO 1183      |
| <b>Moulded plaque properties</b>    | <i>Units</i>      | <i>Typical values</i> | <i>Method</i> |
| Hardness Shore D                    |                   | 75                    | ISO 868       |
| <b>Thermal properties</b>           |                   |                       |               |
| Vicat softening temperature at 10 N | °C                | 130                   | ISO 306       |
| DSC melting point                   | °C                | 134                   | ASTM D3418    |

### ***Food Law Compliance and Product Handling***

Detailed and specific information on food law compliance and material safety aspects of Stamylex grades will be provided upon request.

### ***Standard Packaging***

Stamylex 2H 280 is supplied as free flowing pellets in bulk or packaged in 25 kg bags. The 25 kg bags are assembled on a heat treated pallet to a net weight of 1'375 kg and covered with a stretch hood.

### ***Further information***

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