

Stamylex 4046 F

Octene-1 linear low density polyethylene

DATA SHEET

Description and Attributes

Stamylex 4046F is an octene based linear low density polyethylene produced in a solution polymerisation process using a Ziegler – Natta catalyst.

Stamylex 4046 LF offers an excellent combination of :

- stiffness
- heat resistance
- high Vicat temperature
- water vapour barrier properties

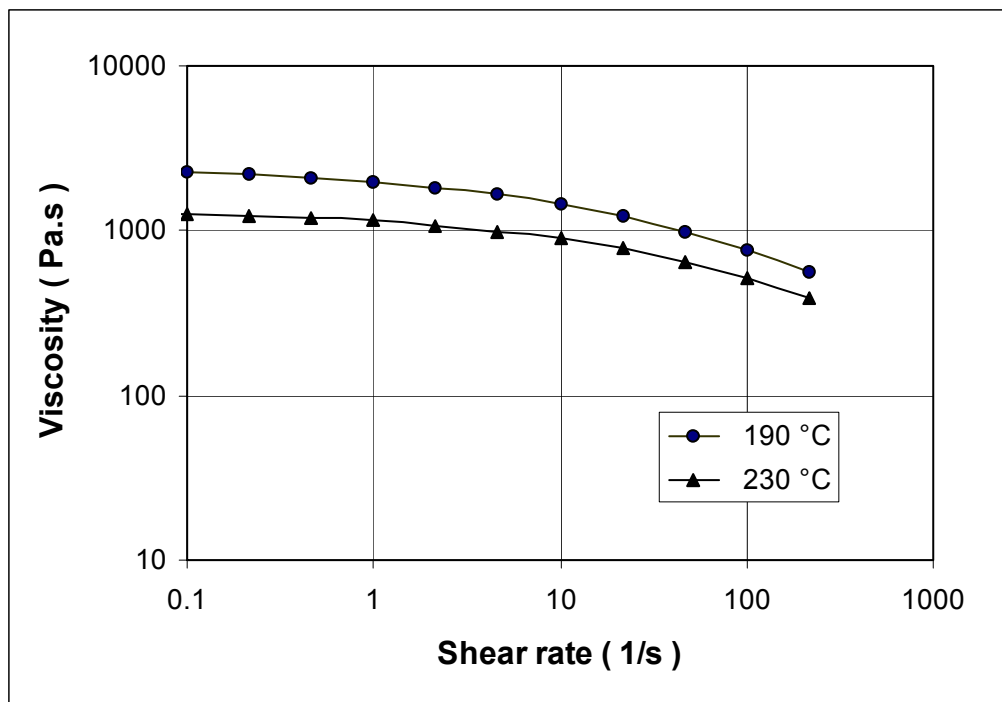
Applications

The main applications for Stamylex 4046 F include :

- stiff and tough films for transparent food packaging, especially in cook-in and heat sterilisation applications
- non-cling layers in stretch applications
- sheets, for example for toothpaste tube construction
- thermoforming applications

| <i>Polymer properties</i> | <i>Units</i> | <i>Typical values</i> | <i>Method</i> |
|--------------------------------|-------------------|-----------------------|---------------|
| Melt Flow Rate (2.16 kg/190°C) | dg/min | 4.4 | ISO 1133 |
| Density (23°C) | kg/m ³ | 936 | ISO 1183 (A) |
| <i>Thermal properties</i> | | | |
| Vicat softening temperature | °C | 116 | ISO 306 |
| DSC melting point | °C | 127 | DIN 53765 |
| DSC average heat of fusion | J/g | 160 | DIN 53765 |

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Food Law Compliance and Product Handling

Stamylex 4046 F complies with FDA 21 CFR 177.1520 (olefin polymers). More detailed and specific information on food law compliance and material safety aspects of Stamylex grades will be provided upon request.

Packaging

Stamylex 4046 F is supplied as free flowing pellets with standard package type 25 kg bags on shrink wrapped pallets with a total weight of 1'375 kg.

Further information

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