

# Stamylex® 4046 F

Linear Low Density Polyethylene

Borealis AG

## Message:

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

Features:

stiffness

heat resistance

high Vicat temperature

water vapour barrier properties

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

| General Information                       |                            |                   |             |
|---|----------------------------|-------------------|-------------|
| Features                                  | Good Stiffness             |                   |             |
|   | Good Toughness             |                   |             |
|   | High Heat Resistance       |                   |             |
|   | Low Density                |                   |             |
| Uses                                      | Film                       |                   |             |
|   | Food Packaging             |                   |             |
|   | Sheet                      |                   |             |
|   | Thermoforming Applications |                   |             |
| Processing Method                         | Thermoforming              |                   |             |
| Physical                                  | Nominal Value              | Unit              | Test Method |
| Density (23°C)                            | 0.936                      | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 4.4                        | g/10 min          | ISO 1133    |
| Thermal                                   | Nominal Value              | Unit              | Test Method |
| Vicat Softening Temperature               | 116                        | °C                | ISO 306/A   |
| Melting Temperature                       | 127                        | °C                | ASTM D3418  |

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