

Stamylex 1066 F

Octene-1 linear low density polyethylene

DATA SHEET

Description and Attributes

Stamylex 1066 F is an octene based linear low density polyethylene produced in a solution polymerisation process using a Ziegler – Natta catalyst.

Stamylex 1066 F offers :

- excellent sealing properties
- high flex crack resistance
- excellent environmental stress crack resistance
- very low gel count

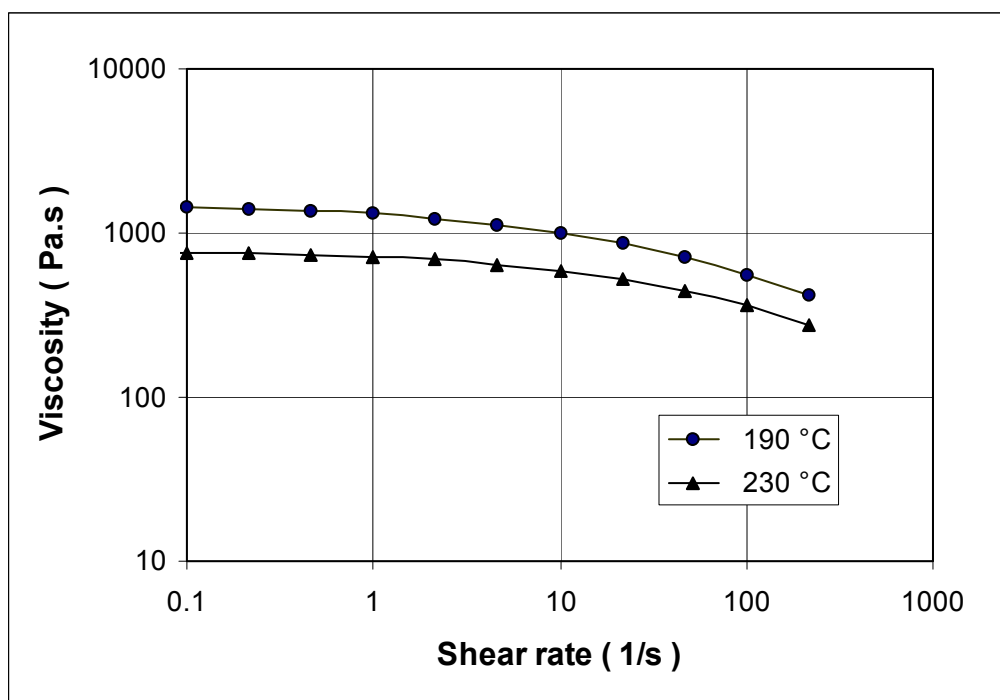
Applications

The main applications for Stamylex 1066 F include (liquid) food and detergent packaging films.

The grade is applied in coextrusion and can also be used as a sealing layer in extrusion coating structures.

Polymer properties	Units	Typical values	Method
Melt Flow Rate (2.16 kg/190°C)	dg/min	6.6	ISO 1133
Density (23°C)	kg/m ³	919	ISO 1183 (A)
Mechanical properties	Units	Typical values	Method
Tensile test			ISO 527/2
Stress at break	MPa	19	
Strain at break	%	1270	
Modulus of elasticity	MPa	210	
Thermal properties			
Vicat softening temperature	°C	94	ISO 306
DSC melting point	°C	124	DIN 53765
DSC average heat of fusion	J/g	115	DIN 53765

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Food Law Compliance and Product Handling

Stamylex 1066 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 1066 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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