

Stamylex 08-076 F

Octene-1 linear low density polyethylene

DATA SHEET

Description and Attributes

Stamylex 08-076 F is a very low density octene based linear low density polyethylene produced in a solution polymerisation process using a Ziegler – Natta catalyst.

Stamylex 08-076 F offers a combination of :

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

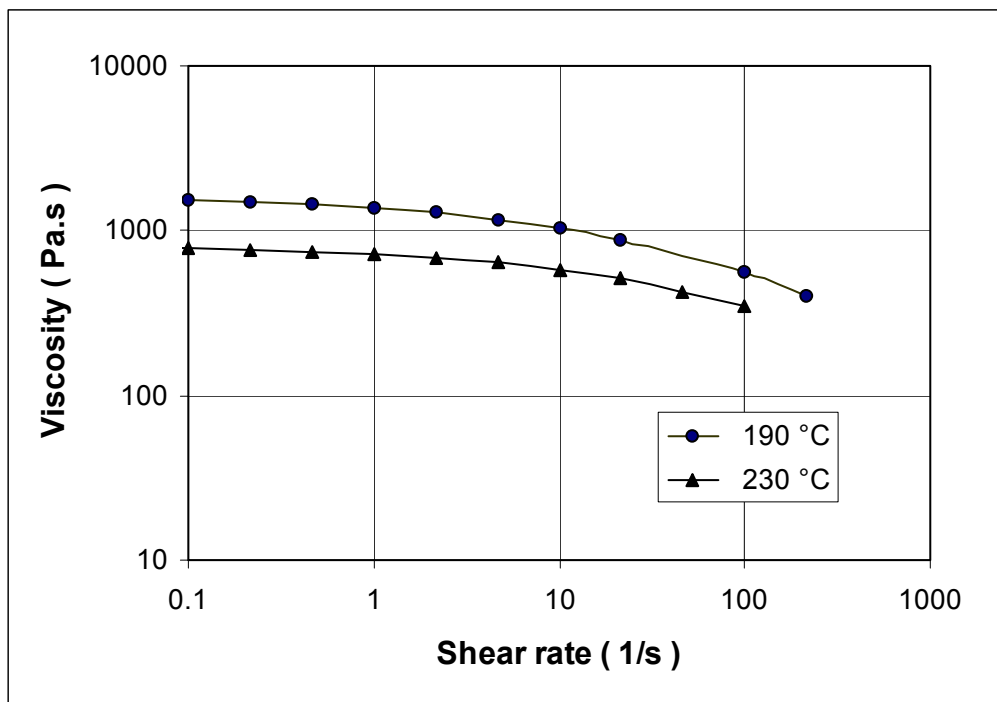
Applications

Stamylex 08-076 F is typically used as seal layer material in, for example :

- liquid food packaging
- detergent packaging
- extrusion coating structures
- other multilayer concepts

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	910	ISO 1183 (A)
Mechanical properties	Units	Typical values	Method
Melt volume rate			ISO 527/2
Modulus of elasticity in tension	MPa	140	
Tensile test			ISO 527/2
Stress at break	MPa	17	
Strain at break	%	1390	
Thermal properties			
Vicat softening temperature	°C	84	ISO 306
DSC melting point	°C	124	DIN 53765
DSC average heat of fusion	J/g	95	DIN 53765

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Food Law Compliance and Product Handling

Stamylex 08-076 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 08-076 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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