

Stamylex 9089 F

Linear low density polyethylene

DATA SHEET

Description and Attributes

Stamylex 9089 F is a homopolymer linear low density polyethylene characterised by a high density.

The key attributes offered by Stamylex 9089 F are stiffness and very low water vapour permeability.

Applications

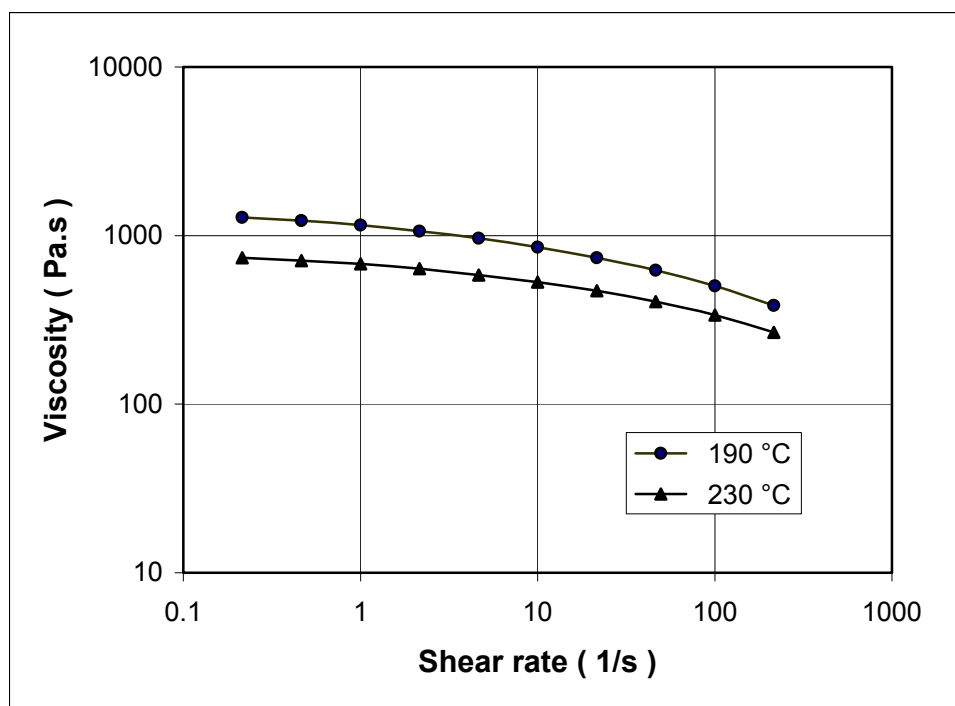
Stamylex 9089 F is typically used in multi-layer film concepts and extrusion coating structures. The material can also be applied as blend component in, for example, diaper films to increase stiffness.

<i>Polymer properties</i>	<i>Units</i>	<i>Typical values</i>	<i>Method</i>
Melt Flow Rate (2.16 kg/190°C)	dg/min	8	ISO 1133
Density (23°C)	kg/m ³	963	ISO 1183 (A)

<i>Polymer properties</i>	<i>Units</i>	<i>Typical values</i>	<i>Method</i>
Tensile Test			ISO 527/2
Stress at break	Mpa	11	
Strain at break	%	23	
Modulus of elasticity in tension	MPa	1450	

<i>Thermal properties</i>			
Vicat softening temperature	°C	132	ISO 306
DSC melting point	°C	136	DIN 53765
DSC average heat of fusion	J/g	225	DIN 53765

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Food Law Compliance and Product Handling

Stamylex 9089 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 9089 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

DEX-PLASTOMERS V.O.F.
CBS-weg 2
P.O. Box 6500
6401 JH HEERLEN
The Netherlands

Tel. +31 45 5782401
Fax +31 45 5782405

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