

Stamylex 2258

Linear low density polyethylene

DATA SHEET

Description

Stamylex 2258 is a butene based linear low density polyethylene produced in a solution polymerisation process using a Ziegler – Natta catalyst.

This grade contains an additive package for thermal stabilization and a processing aid.

Characterized by good processing properties and toughness, Stamylex 2258 is used primarily to manufacture articles with extremely long flow paths and stringent warp requirements

Applications

A high resistance to environmental stress cracking and its dimensional stability render Stamylex 2258 particularly suited for (domestic)

applications, which require good resistance to the aggressive cleaning environment and high temperatures typically encountered, for example, in dish washing machines.

General properties	Units	Typical values	Method
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Melt Flow Rate (2.16 kg/190°C)	dg/min	24	ISO 1133
Density (23°C)	kg/m ³	926	ISO 1183

Moulded plaques properties	Units	Typical values	Method
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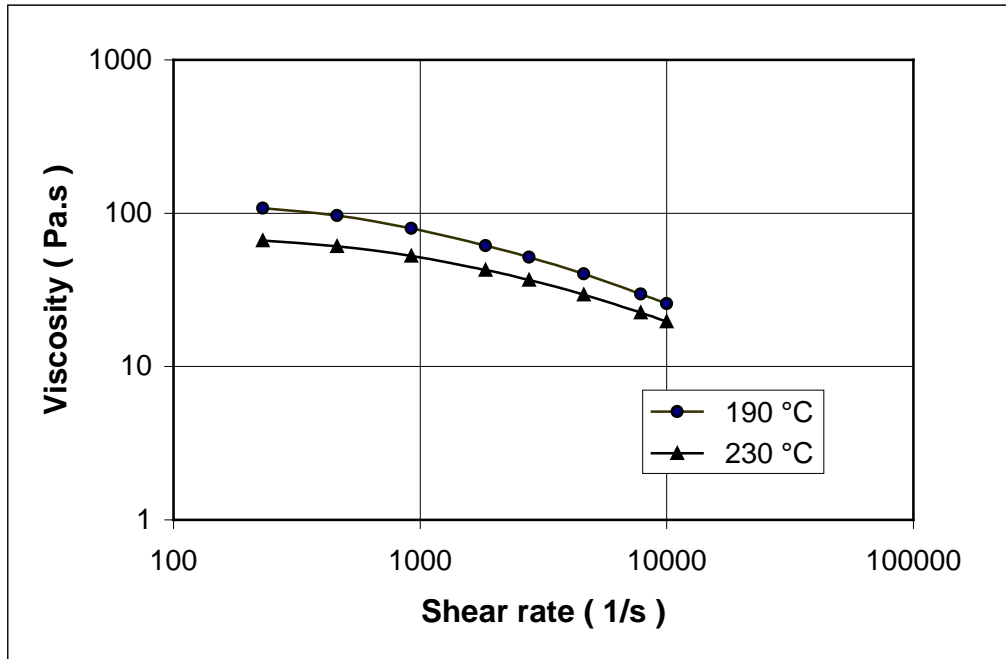
Tensile test [1]			ISO 527-2
Stress at break [2]	MPa	8	
Strain at break [2]	%	65	
Modulus of elasticity in tension	MPa	300	
Notched Izod at + 23 °C	kJ/m ³	47	ISO 180 (1A)
Shore hardness D		49	ISO 868

Thermal properties			
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Vicat softening temperature at 10 N	°C	94	ISO 306
DSC melting point	°C	118	ASTM D3418

[1] Test specimen as per ISO 527-2 type 1 BA, thickness 2 mm

[2] Speed of testing : 500 mm/min



Food Law Compliance and Product Handling

Detailed and specific information on food law compliance and material safety aspects of Stamylex grades will be provided upon request.

Packaging

Stamylex 2258 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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April 2011