

# Stamylex 09-258

Octene-1 linear low density polyethylene

## DATA SHEET

### Description

Stamylex 09-258 is a butane based linear low density polyethylene produced using a Ziegler-Natta catalyst.

Characterised by good processing properties and toughness, Stamylex 09-258 is used primarily to manufacture articles with extremely long flow paths and stringent warp requirements.

### Applications

A high resistance to stress cracking and dimensional stability render Stamylex 09-258 particularly suited for applications which require good resistance to aggressive cleaning environment and high temperatures typically encountered, for example, in dish washers.

Offering resistance to cold brittleness, Stamylex 09-258 is also used in freezer applications.

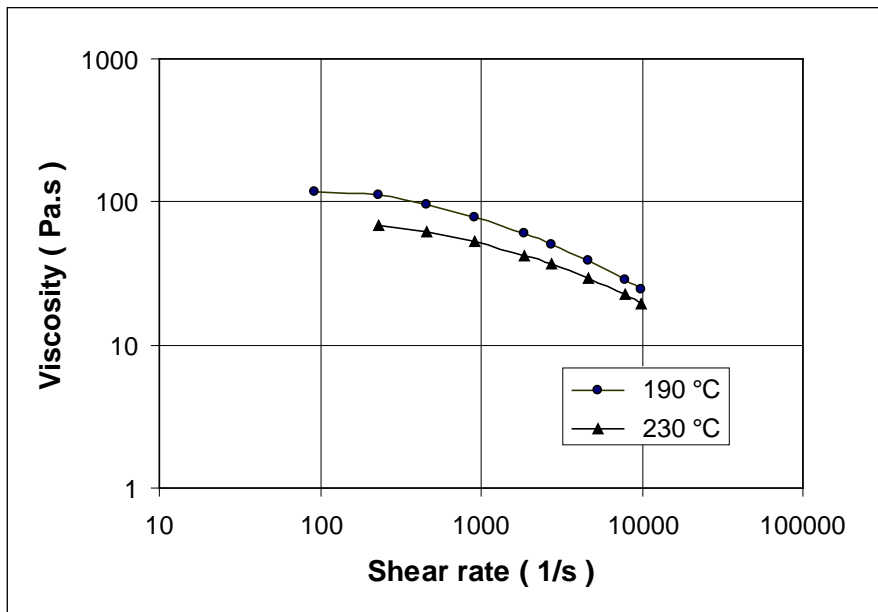
<b>General properties</b>	<i>Units</i>	<i>Typical values</i>	<i>Method</i>
Melt Flow Rate (2.16 kg/190°C)	dg/min	24	ISO 1133
Density (23°C)	kg/m <sup>3</sup>	918	ISO 1183

<b>Moulded plaque properties</b>	<i>Units</i>	<i>Typical values</i>	<i>Method</i>
Tensile test [1]			ISO 527-2
Stress at break [2]	MPa	7.0	
Strain at break [2]	%	200	
Modulus of elasticity in tension	MPa	230	
Notched Izod at + 23 °C	kJ/m <sup>3</sup>	43	ISO 180(1A)
Hardness Shore D		51	ISO 868

<b>Thermal properties</b>			
Vicat softening temperature at 10 N	°C	82	ISO 306
DSC melting point	°C	115	ASTM D3418

- [1] Test specimen as per ISO 527-2 type 1 BA, thickness 2 mm  
[2] Speed of testing: 500 mm/min

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### ***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 09-258 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