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# Stamylex<sup>®</sup> 5119 S

## Medium density linear polyethylene

### DATA SHEET

#### Description

Stamylex<sup>®</sup> 5119 S is a medium density linear 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.

Stamylex 5119 S offers a combination of :

- good flow properties
- mechanical properties
- narrow additive tolerances

#### Applications

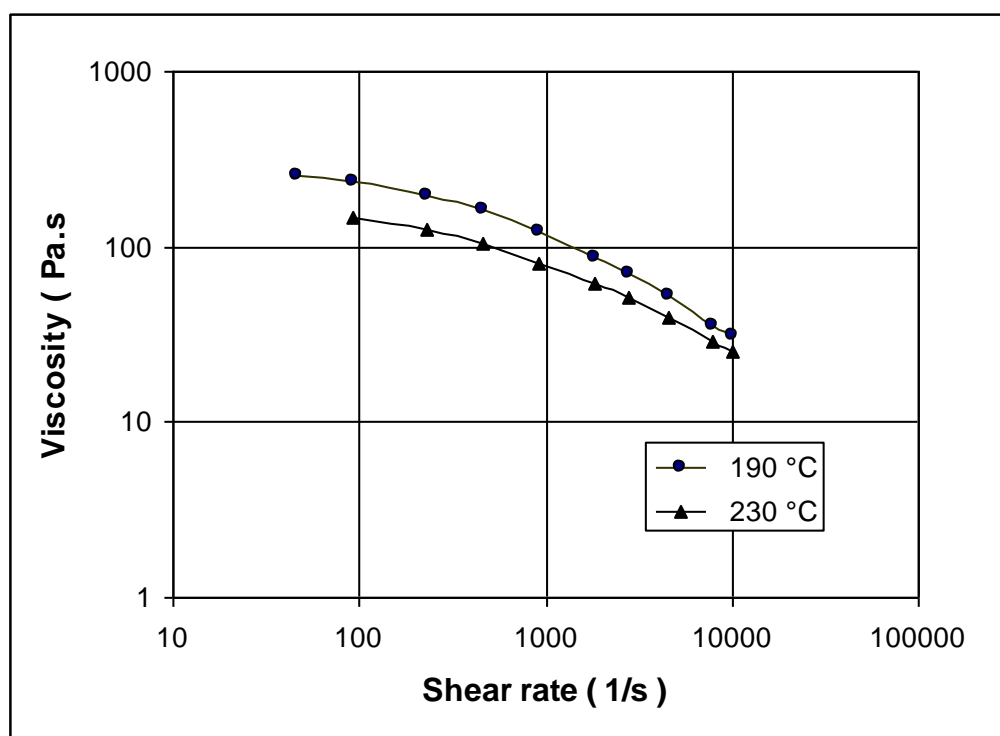
Stamylex 5119 S is suited for use in caps of non-carbonated mineral water bottles, afforded by good closing properties, unscrewing torque and organoleptic properties. The material is designed for trouble-free operation on fast bottle filling lines.

General properties	Units	Typical values	Method
Melt Flow Rate (2.16 kg/190°C)	dg/min	11	ISO 1133
Density (23°C)	kg/m <sup>3</sup>	944	ISO 1183
Moulded plaque properties	Units	Typical values	Method
Tensile test [1]			ISO 527-2
Stress at break [2]	MPa	12	
Strain at break [2]	%	40	
Modulus of elasticity in tension	MPa	700	
Notched Izod at + 23 °C	kJ/m <sup>3</sup>	3.7	ISO 180 (1A)
Hardness Shore D		57	ISO 868
Thermal properties			
Vicat softening temperature at 10 N	°C	115	ISO 306
DSC melting point	°C	125	ASTM D3418

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

[2] Speed of testing : 500 mm/min

## Stamylex 5119 S



### ***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.

### ***Standard Packaging***

Stamylex 5119 S is supplied as free flowing pellets in bulk or packaged in 25 kg bags. The 25 kg bags are assembled on a heat treated pallet to a net weight of 1'375 kg and covered with a stretch hood.

