

TECHNICAL DATA SHEET

# FLEXIRENE® MS 26 A

Versalis S.p.A  
(PE-LLD)

**Processing**

Injection molding

**Delivery Form**

Pellets

## Product Text

**Product Information**

Linear low density polyethylene with antioxidants. Suitable for injection moulding process. Flexirene MS 26 A is characterised by optimum low temperatures properties. Resin highly pure is recommended for all applications where good organoleptic properties are required.

**Applications**

Detergent containers, stoppers and closures for chemicals, containers especially for low temperature use.

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	26	cm <sup>3</sup> /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Density of melt	745.6	kg/m <sup>3</sup>	
Thermal conductivity of melt	0.39	W/(m K)	
Spec. heat capacity of melt	2160	J/(kg K)	
Ejection temperature	65	°C	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	150	MPa	ISO 527
Stress at 50% strain	10	MPa	ISO 527
Strain at break	>50	%	ISO 527
Poisson's ratio	0.35		ISO 527
Shore D hardness	48		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	112	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	120	°C	ISO 11357-1/-2

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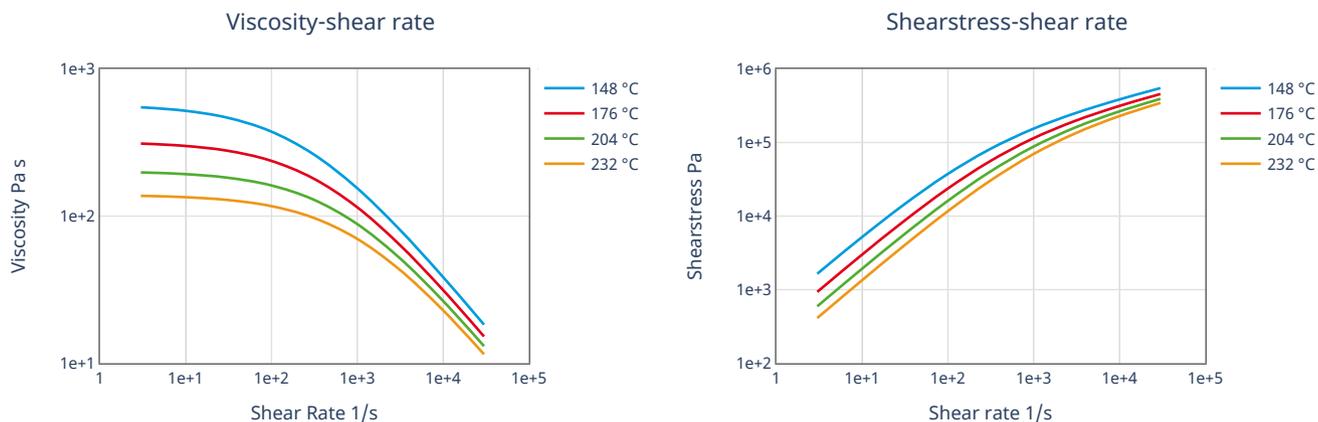
Versalis S.p.A

Thermal Properties	Value	Unit	Standard
Coeff. of linear therm. expansion, parallel	152	E-6/K	ISO 11359-1/-2

Other Properties	Value	Unit	Standard
Density	921	kg/m <sup>3</sup>	ISO 1183

## Diagrams



## Processing Information

### Injection molding

#2

Typical processing temperature range:

Melt temperature 160 - 210 °C

Mold temperature 10- 40 °C