

TECHNICAL DATA SHEET

FLEXIRENE® MS 20 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 20 A is characterised by optimum low temperatures properties.

Applications

Detergent containers, stoppers and closures for chemicals, containers for low temperature use. Its high flowability makes it ideal for masterbatches preparation for LLDPE and LDPE.

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	26	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Density of melt	745.6	kg/m ³	
Thermal conductivity of melt	0.39	W/(m K)	
Spec. heat capacity of melt	2815	J/(kg K)	
Ejection temperature	83	°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	113	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	101	°C	ISO 11357-1/-2

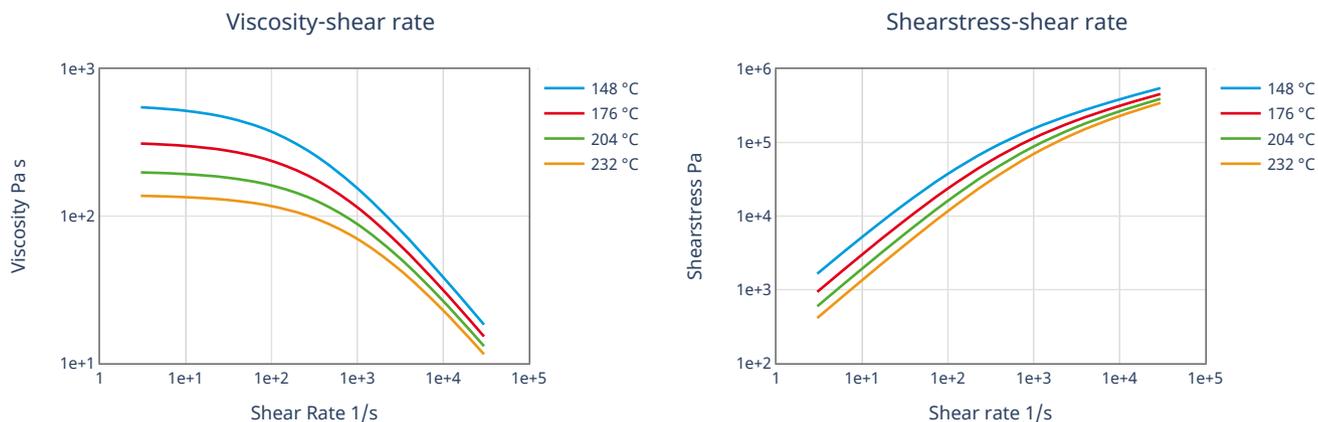
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Thermal Properties	Value	Unit	Standard
Coeff. of linear therm. expansion, parallel	152	E-6/K	ISO 11359-1/-2

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

Diagrams



Processing Information

Injection molding

#2

Typical processing temperature range:

Melt temperature 160 - 210 °C

Mold temperature 10- 40 °C