TECHNICAL DATA SHEET

RIBLENE® MM 20 R

Versalis S.p.A
(PE-LD)

Processing

Injection molding

Delivery Form

Pellets

Product Text

Product Information

Medium fluidity low density polyethylene resin.
Riblene MM 20 R is suitable to get parts with a high flexibility property with good mechanical performances.

Applications
Riblene MM 20 R is suitable for injection moulding process, compound and masterbaches applications.
The grade is recommended for caps, closures, houseware and high thickness articles.

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	3.5	cm³/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Density of melt	790.9	kg/m³	
Thermal conductivity of melt	0.39	W/(m K)	
Spec. heat capacity of melt	2527	J/(kg K)	
Ejection temperature	82	°C	

Mechanical Properties	Value	Unit	Standard
Tensile modulus	130	MPa	ISO 527
Yield stress	11	MPa	ISO 527
Yield strain	15	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Poisson's ratio	0.35		ISO 527
Shore D hardness	47		ISO 7619-1

Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	109	°C	ISO 11357-1/-3

RIBLENE® MM 20 R

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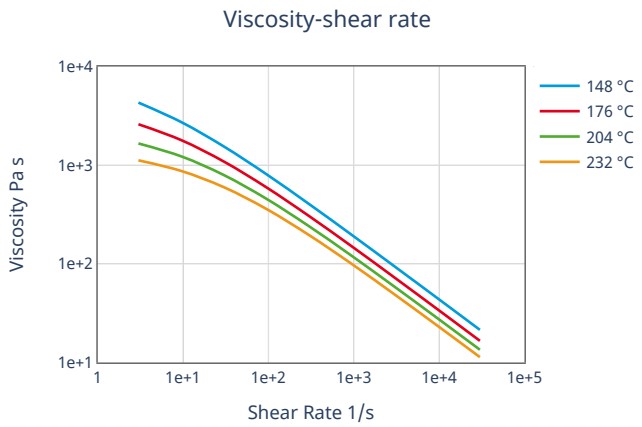
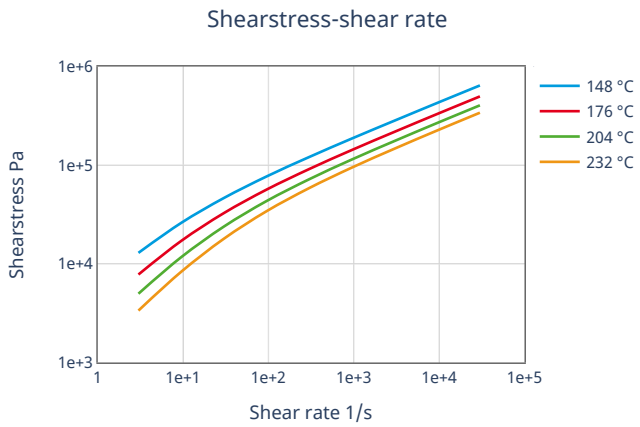
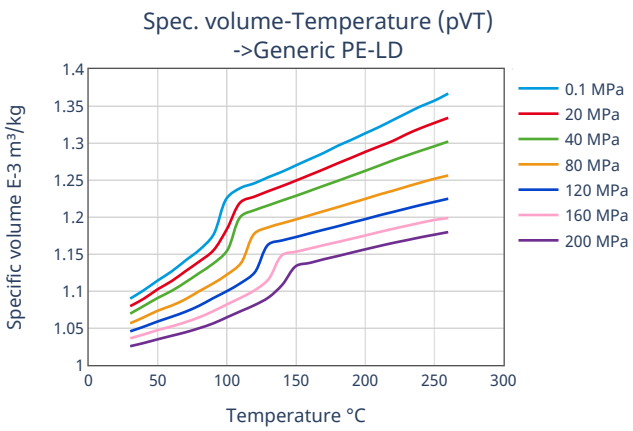
Thermal Properties	Value	Unit	Standard
Glass transition temperature, 10°C/min	98	°C	ISO 11357-1/-2
Coeff. of linear therm. expansion, parallel	152	E-6/K	ISO 11359-1/-2

Other Properties	Value	Unit	Standard
Density	920	kg/m³	ISO 1183

Diagrams







Processing Information

Injection molding

#2
Typical processing temperature range:

Melt temperature	170 - 230 °C
Mold temperature	10 - 30 °C