

TECHNICAL DATA SHEET

GREENFLEX® ML 30

Versalis S.p.A
EVAC

Processing

Injection molding

Product Text

Product Information

Greenflex ML 30 is an ethylene vinyl acetate copolymer (EVA) for injection moulding and extrusion, Parts produced with Greenflex ML 30 show good elasticity performances and good ESCR resistance.

Applications

Gaskets, especially when food contact is required, profiles and flexible items.

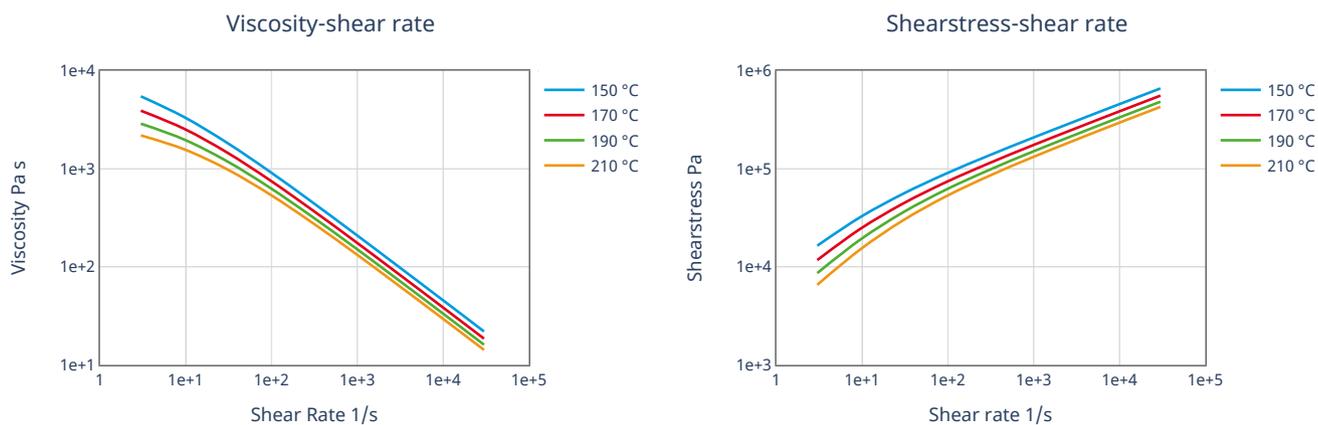
Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	2.5	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Density of melt	787	kg/m ³	
Thermal conductivity of melt	0.2	W/(m K)	
Spec. heat capacity of melt	2545	J/(kg K)	
Ejection temperature	74	°C	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	90	MPa	ISO 527
Poisson's ratio	0.35		ISO 527
Shore D hardness	42		ISO 7619-1
Shore A hardness, 15s	94		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	97	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	85	°C	ISO 11357-1/-2
Coeff. of linear therm. expansion, parallel	125	E-6/K	ISO 11359-1/-2
Electrical Properties	Value	Unit	Standard
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1

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Electrical Properties	Value	Unit	Standard
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	75	kV/mm	IEC 60243-1
Other Properties	Value	Unit	Standard
Density	929	kg/m ³	ISO 1183

Diagrams



Processing Information

Injection molding

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Typical processing temperature range:

Melt temperature 150 - 210 °C

Mold temperature 10 - 30 °C