

TECHNICAL DATA SHEET

GREENFLEX® ML 50

Versalis S.p.A
EVAC

Processing

Injection molding

Product Text

Product Information

Greenflex ML 50 is an ethylene vinyl acetate copolymer (EVA) for injection moulding, compounding and extrusion. With Greenflex ML 50 is possible to produce parts characterised with high elasticity.

Applications

Foamed and crosslinked sheets for shoes, dolls, shock absorbers and gasket.

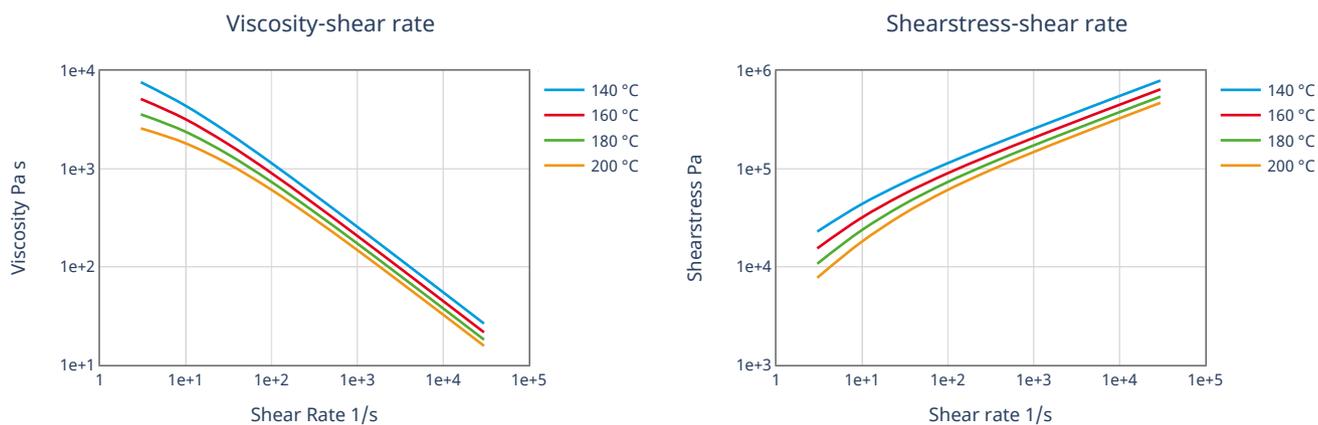
Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	2.5	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Density of melt	792.9	kg/m ³	
Thermal conductivity of melt	0.2	W/(m K)	
Spec. heat capacity of melt	2406	J/(kg K)	
Ejection temperature	72	°C	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	50	MPa	ISO 527
Poisson's ratio	0.35		ISO 527
Shore D hardness	36		ISO 7619-1
Shore A hardness, 15s	89		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	84	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	83	°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	65	kV/mm	IEC 60243-1
Other Properties	Value	Unit	Standard
Density	941	kg/m ³	ISO 1183

Diagrams



Processing Information

Injection molding

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Typical processing temperature range:

Melt temperature 140 - 200 °C

Mold temperature 10 - 30 °C