

## EVA ML50

Rheological properties	Value	Unit	Test Standard
Melt volume-flow rate, MVR	2.5	cm <sup>3</sup> /10min	ISO 1133
Temperature	190	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	50	MPa	ISO 527-1/-2
Shore A hardness, 3s	89	-	ISO 7619-1
Shore D hardness, 15s	36	-	ISO 7619-1
Thermal properties	Value	Unit	Test 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	Test Standard
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	65	kV/mm	IEC 60243-1
Other properties	Value	Unit	Test Standard
Density	941	kg/m <sup>3</sup>	ISO 1183
Rheological calculation properties	Value	Unit	Test Standard
Density of melt	793	kg/m <sup>3</sup>	-
Thermal conductivity of melt	0.2	W/(m K)	-
Spec. heat capacity melt	2410	J/(kg K)	-
Ejection temperature	72	°C	-

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.

Producer: GREENFLEX/ENI. italy