

Technical data sheet

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GREENFLEX®

EVA

ML 21

Ethylene vinyl acetate copolymer

Greenflex ML 21 is an ethylene vinyl acetate copolymer (EVA) for injection moulding applications and it is recommended when a good ESCR is required.

Greenflex ML 21, thanks to its particular additives with waxes, can be used at a high transformation speed to obtain high productivity.

Main Application

Greenflex ML 21 is suitable for the production of flexible items.

Main Properties

Resin Properties

	Value	Unit	Test Method
Melt Flow Rate (190 °C/2,16 kg)	2,5	g/10min	ISO 1133
Vinyl acetate content	6	%	Internal method
Density	0,925	g/cm ³	ISO 1183
Melting Point	101	°C	Internal method
Brittleness temperature	< -80	°C	ASTM D 746
Vicat softening point (1 kg)	78	°C	ISO 306/A

Mechanical Properties *

	Value	Unit	Test Method
Tensile stress at yield	8	MPa	ISO 527
Tensile stress at break	-	MPa	ISO 527
Elongation at break	-	%	ISO 527
Flexural modulus	100	MPa	ISO 178
Hardness Shore A	95	Shore A	ISO 868 A
Hardness Shore D	43	Shore D	ISO 868 A

(*) Values are referred to injection moulded specimens. Actual properties are typical and may vary depending upon operating conditions.