

# Greenflex® ML 40 F

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

## Message:

Greenflex ML 40 F is an ethylene vinyl acetate copolymer (EVA) for injection moulding of flexible items.

Items produced with Greenflex ML 40 F show high elasticity and flexibility.

### Main Application

Greenflex ML 40 F is recommended for the production of flexible items.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	High Elasticity		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Vinyl Acetate Content	14.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, Injection Molded	92		
Shore D, Injection Molded	40		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	6.00	MPa	ISO 527-2
Flexural Modulus (Injection Molded)	60.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	63.0	°C	ISO 306/A
Melting Temperature	91.0	°C	Internal Method
Injection	Nominal Value	Unit	
Processing (Melt) Temp	140 to 200	°C	
Mold Temperature	10.0 to 30.0	°C	

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