# Greenflex® MQ 40 F

### Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

#### Message:

Greenflex MQ 40 F is an ethylene vinyl acetate copolymer (EVA) for injection moulding and compounding. Greenflex MQ 40 F combines high fluidity and high elasticity.

Main Application

Greenflex MQ 40 F is recommended for injection moulding of gaskets, ski sticks rounds, foamed and crosslinked articles.

Foam Gaskets Sporting Goods  Agency Ratings EU Food Contact, Unspecified Rating Forms Pellets Processing Method Compounding Injection Molding  Physical Nominal Value Unit Test Method Density 0.941 Q/cm³ ISO 1183  Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) 12 Response Sporting Goods Sporting Goods Volume Visual Physical Unit Visual Value Visua	General Information				
Foamable Food Contact Acceptable High Elasticity High Flow  Uses  Compounding Foam Gaskets Sporting Goods  EU Food Contact, Unspecified Rating Forms Pellets Processing Method Compounding Injection Molding  Physical Nominal Value Unit Test Method Density 0.941 12 9/10 min 150 1133  Melt Mass-Flow Rate (MFR) (190°C/Z.16 kg) 12 9/10 min 150 1133  Melt Mass-Flow Rate (MFR) (190°C/Z.16 Nominal Value Unit Test Method  Test Method  Shore A Injection Molded 89 Shore A Injection Molded 89 Shore A Injection Molded 33  Mechanical Nominal Value Unit Test Method  150 686  Shore Charless Shore (Injection Molded) 33  Mechanical Nominal Value Unit Test Method  150 527-2 Flexural Modulus (Injection Molded) 4.00 MPa 150 178 Hermal	Features	Copolymer			
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Thermal Nominal Value Unit Test Method	Tensile Stress (Yield, Injection Molded)	4.00	MPa	ISO 527-2	
	Flexural Modulus (Injection Molded)	40.0	MPa	ISO 178	
Brittleness Temperature < -80.0 °C ASTM D746	Thermal	Nominal Value	Unit	Test Method	
	Brittleness Temperature	< -80.0	°C	ASTM D746	

Vicat Softening Temperature	56.0	°C	ISO 306/A
Melting Temperature	83.0	°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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