

Greenflex® MH 40 F

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

Message:

Greenflex MH 40 F is an ethylene vinyl acetate copolymer (EVA) for injection moulding and extrusion.

Items produced with Greenflex MH 40 F show high elasticity and good mechanical properties.

Main Application

Greenflex MH 40 F is recommended for the production flexible items, foamed and crosslinked sheets for shoes.

General Information			
Features	Copolymer		
	Crosslinkable		
	Foamable		
	Food Contact Acceptable		
	Good Flexibility		
	High Elasticity		
Uses	Foam		
	Footwear		
	Sheet		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ISO 1133
Vinyl Acetate Content	17.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, Injection Molded	89		
Shore D, Injection Molded	36		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	5.60	MPa	ISO 527-2
Flexural Modulus (Injection Molded)	40.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	62.0	°C	ISO 306/A

Melting Temperature	88.0	°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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