Greenflex® ML 50 F

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

Message:

Greenflex ML 50 F is an ethylene vinyl acetate copolymer (EVA) for injection moulding, compounding and extrusion.
Main Application
Greenflex ML 50 F is recommended for the production of foamed and crosslinked sheets for shoes, dolls, shock absorbers and gasket.

General Information	
Features	Copolymer Crosslinkable Foamable Food Contact Acceptable
Uses	Compounding Foam Footwear Gaskets Sheet Toys
Agency Ratings	EU Food Contact, Unspecified Rating
Forms	Pellets
Processing Method	Compounding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.941	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Vinyl Acetate Content	19.0	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)	4.50	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	58.0	°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

Recommended distributors for this material

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