

Greenflex® ML 30

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

Message:

Greenflex ML 30 is an ethylene vinyl acetate copolymer (EVA) for injection moulding and profile extrusion.

Items produced with Greenflex ML 30 shows good ESCR resistance and elasticity.

Main Application

Greenflex ML 30 is recommended for the production of gaskets, especially if food contact is required, profiles and flexible items.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	High Elasticity		
	High ESCR (Stress Crack Resist.)		
Uses	Gaskets		
	Non-specific Food Applications		
	Profiles		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.929	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Vinyl Acetate Content	9.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, Injection Molded	94		
Shore D, Injection Molded	42		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	6.50	MPa	ISO 527-2
Flexural Modulus (Injection Molded)	90.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	72.0	°C	ISO 306/A
Melting Temperature	97.0	°C	Internal Method

Injection	Nominal Value	Unit
Processing (Melt) Temp	150 to 210	°C
Mold Temperature	10.0 to 30.0	°C

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