

Greenflex® ML 31 F

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

Message:

Greenflex ML 21 F is an ethylene vinyl acetate copolymer (EVA) for injection moulding applications and it is recommended when a good ESCR is required.

Main Application

Greenflex ML 21 F is suitable for the production of flexible items.

General Information			
Features	Good ESCR (Stress Crack Resist.)		
	Copolymer		
	Compliance of Food Exposure		
Agency Ratings	European food contact, not rated		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Vinyl Acetate Content	6.0	wt%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shore A, Injection Molding	95		ISO 868
Shore D, Injection Molding	43		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	8.00	MPa	ISO 527-2
Flexural Modulus (Injection Molded)	100	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	78.0	°C	ISO 306/A
Melting Temperature	101	°C	Internal method
Injection	Nominal Value	Unit	
Processing (Melt) Temp	150 - 210	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

