

Greenflex® ML 20 F

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

Message:

Greenflex ML 20 F is an ethylene vinyl acetate copolymer (EVA) for general purpose injection moulding, when a good ESCR resistance is required.
Main Application
Greenflex ML 20 F is recommended for the production of flexible items.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	General Purpose		
	Good Flexibility		
	High ESCR (Stress Crack Resist.)		
Uses	General Purpose		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.925	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	7.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, Injection Molded	95		
Shore D, Injection Molded	43		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	7.00	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 to 200	°C	
Mold Temperature	10.0 to 30.0	°C	

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