

Clearflex® MQ F0

Very Low Density Polyethylene

Versalis S.p.A.

Message:

Clearflex MQ F0 is a linear polyethylene with antioxidants, characterised by a very low density (VLDPE). The resin shows an excellent balance between flexibility and impact resistance.

Main Application

Clearflex MQ F0 is suitable for injection moulding. Manufacts made by Clearflex MQ F0 are characterised by a high flexibility. Clearflex MQ F0 is recommended for seals and gaskets, for blend with polyolefins to modify and improve impact resistance.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Flexibility		
	Good Impact Resistance		
	Low Density		
Uses	Blending		
	Gaskets		
	Seals		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.895	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	13	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	26		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	4.00	MPa	
Break, Injection Molded	9.00	MPa	
Tensile Strain (Break, Injection Molded)	750	%	ISO 527-2
Flexural Modulus (Injection Molded)	45.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	51.0	°C	ISO 306/A
Melting Temperature	111	°C	Internal Method

Injection	Nominal Value	Unit
Rear Temperature	160 to 200	°C
Middle Temperature	160 to 200	°C
Front Temperature	160 to 200	°C

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