

# Riblene® MR 10 R

Low Density Polyethylene

Versalis S.p.A.

## Message:

Riblene MR 10 R is a high fluidity low density polyethylene resin (LDPE).

Parts made by Riblene MR 10 R are characterised by a high flexibility.

### Main Application

Riblene MR 10 R is suitable for injection moulding and compound applications. Riblene MR 10 R is recommended for large complex mouldings, artificial flowers and low thickness articles. Because of its fluidity, the resin can be used as base for masterbatches.

General Information			
Features	Food Contact Acceptable		
	Good Flexibility		
	High Flow		
	Low Density		
Uses	Compounding		
	Decorative Parts		
	Masterbatch		
	Thin-walled Parts		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	10.0	MPa	ISO 527-2
Flexural Modulus (Injection Molded)	120	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -20.0	°C	ASTM D746
Vicat Softening Temperature	84.0	°C	ISO 306/A
Melting Temperature	107	°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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#### Recommended distributors for this material

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