

Riblene® MM 20 R

Low Density Polyethylene

Versalis S.p.A.

Message:

Riblene MM 20 R is a medium fluidity low density polyethylene resin (LDPE).

Parts made by Riblene MM 20-R are characterised by a high flexibility.

Main Application

Riblene MM 20 R is suitable for injection moulding, compound and masterbatch applications. Riblene MM 20 R is recommended for caps, closures, houseware and high thickness articles.

General Information			
Features	Food Contact Acceptable		
	Good Flexibility		
	Low Density		
	Medium Flow		
Uses	Caps		
	Closures		
	Compounding		
	Household Goods		
	Masterbatch		
	Thick-walled Parts		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	47		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	11.0	MPa	ISO 527-2
Flexural Modulus (Injection Molded)	130	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	90.0	°C	ISO 306/A
Melting Temperature	110	°C	Internal Method

Injection	Nominal Value	Unit
Rear Temperature	170 to 230	°C
Middle Temperature	170 to 230	°C
Front Temperature	170 to 230	°C

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Recommended distributors for this material

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