

# Riblene® GM 20

Low Density Polyethylene

Versalis S.p.A.

## Message:

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

### Main Application

Riblene GM 20 is suitable for coating applications where a low neck-in is required.

Moreover, for its rheological properties, Riblene GM 20 can be used for injection moulded high thickness articles, caps, closures, stoppers and houseware.

General Information			
Features	Food Contact Acceptable		
	Low Density		
	Low Neck-In		
	Medium Flow		
Uses	Caps		
	Closures		
	Coating Applications		
	Household Goods		
	Thick-walled Parts		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	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			ISO 527-2
Yield, Injection Molded	10.0	MPa	
Break, Injection Molded	12.0	MPa	
Tensile Strain (Break, Injection Molded)	520	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	89.0	°C	ISO 306/A
Melting Temperature	111	°C	Internal Method

Extrusion	Nominal Value	Unit
Melt Temperature	260 to 330	°C

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