

Riblene® GM 20 R

Low Density Polyethylene

Versalis S.p.A.

Message:

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

Main Application

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

Moreover, for its rheological properties, Riblene GM 20 R 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 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			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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