

Riblene® GP 20

Low Density Polyethylene

Versalis S.p.A.

Message:

Riblene GP 20 is a high fluidity low density polyethylene resin (LDPE).

Main Application

Riblene GP 20 is suitable for coating applications where low neck-in and high draw-down are key factors. For its excellent organoleptic properties Riblene GP 20 can be used for foodstuff flexible packaging. Moreover, for its rheological properties, Riblene GP 20 can be used for injection moulded medium thickness articles, toys and houseware.

General Information			
Features	Food Contact Acceptable		
	Good Drawdown		
	Good Flexibility		
	Good Organoleptic Properties		
	High Flow		
	Low Density		
	Low Neck-In		
Uses	Coating Applications		
	Food Packaging		
	Household Goods		
	Toys		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	46		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	9.00	MPa	
Break, Injection Molded	11.0	MPa	
Tensile Strain (Break, Injection Molded)	500	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	84.0	°C	ISO 306/A
Melting Temperature	107	°C	Internal Method
Extrusion	Nominal Value	Unit	
Melt Temperature	260 to 330	°C	

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