



Technical Data Sheet

Riblene® MP20

Low Density Polyethylene

DESCRIPTION

Riblene® MP20 is a medium fluidity low density polyethylene resin (LDPE).

APPLICATIONS

Riblene® MP20 is suitable for injection moulding, compound and masterbatch applications.

Parts made by Riblene® MP20 are characterised by a high flexibility.

Riblene® MP20 is recommended for houseware, toys, lids and medium thickness articles.

PROPERTIES

TYPICAL

Properties	Test Method	Typical value
Resin Properties		
Melt Flow Index _{190 °C / 2.16 kg} (g/10')	ASTM D1238	7.5
Density (g/cm ³)	ASTM D1505	0.919
Melting point (°C)	PE	108
Brittleness point (°C)	ASTM D746	<-75
Vicat softening point _{1 kg} (°C)	ASTM D1525	88
Mechanical properties		
Tensile strength at yield (MPa)	ASTM D638	14
Flexural modulus (MPa)	ASTM D790	130
Hardness (Shore D)	ASTM D2240	48

¹Values are referred to an injection moulded plaque

Actual properties are typical and may vary depending upon operating conditions and additive package.

PROCESSING CONDITIONS

Processing conditions are depending on several parameters: the shape of the part to be manufactured, the localisation of the injection point, the injection moulding machine and the cooling of the mould

Typical processing conditions:

Temperature profile of the barrel (°C) 160 - 220
Temperature of the mould (°C) 10 - 30

STORAGE AND HANDLING

Riblene® MP20 is supplied in pellet form. This material may readily be conveyed and bulk-fed through equipment designed for conventional pelletised polyethylene resin, provided the equipment is designed to prevent accumulation of the fines and dust particles that are contained in all polyethylene resins. These fines and dust particles can, under certain conditions, pose an explosion hazard. We recommend that the conveying system used be equipped with filters of adequate size, operated and maintained in such a manner to ensure that no leaks develop and earthed adequately. We further recommend that good housekeeping be practised throughout your facility.

Before using this product, read and understand the current POLIMERI EUROPA Safety Data Sheet for this product.

AVAILABILITY

Contact the POLIMERI EUROPA sales office nearest to you regarding availability and your specific application requirements.

FOOD CONTACT STATUS

Riblene® MP20 complies with the rules and regulations of the European Union, as well as other countries, regarding the use of plastic materials in food contact applications. Certificates of compliance are available upon request.

TECHNICAL SERVICE

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