



versalis

Technical Data Sheet

www.versalis.eni.com

info.polyethylene@versalis.eni.com

RIBLENE[®]

MQ 10 R

LDPE

Low density polyethylene

Riblene MQ 10 R is a good fluidity low density polyethylene resin (LDPE).

Parts made by Riblene MQ 10 R are characterised by a high flexibility.

Main Application

Riblene MQ 10 R is suitable for injection moulding and compound applications. Riblene MQ 10 R is recommended for stoppers, closures and low thickness articles.

Main Properties

Resin Properties	Value	Test Method	Unit
Melt Flow Rate (190 °C/2.16 kg)	15	g/10min	ISO 1133
Melt Flow Rate (190 °C/5 kg)	-	g/10min	ISO 1133
Density	0.918	g/cm ³	ISO 1183
Melting Point	108	°C	Internal method
Brittleness temperature	< - 40	°C	ASTM D 746
Vicat softening point (1 kg)	84	°C	ISO 306/A

Mechanical Properties *	Value	Unit	Test Method
Tensile stress at yield	10	MPa	ISO 527
Tensile strength at break	-	MPa	ISO 527
Elongation at break	-	%	ISO 527
Flexural modulus	120	MPa	ISO 178
Hardness Shore D	46	-	ISO 868 A
Falling Weight:	-	J/mm	ISO 6603/2
Izod impact strength, notched	-	J/m	ISO 180/A
Environmental Stress Cracking Resistance (ESCR)	-	h	ISO 22088

* Values are referred to injection moulded specimens. Actual properties are typical and may vary depending upon operating conditions.
R= Made in Ferrara (Italy)

Processing notes

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 - 200

Storage and Handling

Riblene MQ 10 R 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.

The product should be stored in dry conditions at temperatures below 50°C and protected from sunlight.

Improper storage can initiate degradation which results in odour generation, colour changes and can have negative effects on the physical properties of the product.

Before using this product it is recommended to read and understand the relevant Safety Data Sheet.

Availability

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

Food Contact Status

Riblene MQ 10 R 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

Versalis S.p.A.
Piazza Boldrini, 1
20097 S.Donato Milanese, Italia
Tel. +39 02 520.1
Fax + 39 02 520.42436

Polimeri Europa SAS
1 Route des Dunes BP 59
F-59279 MARDYCK - France
Tel. +33 3 28235515
Fax +33 3 28235520

Versalis S.p.A.
Via Taliercio, 14
46100 Mantova, Italia
Tel. +39 0376 305667
Fax +39 02 52043

HEADQUARTER

Versalis S.p.A.
Piazza Boldrini, 1
20097 S.Donato Milanese, Italia
Tel. +39 02 520.1
Fax + 39 02 520.42436

IMPORTANT: please consult the relevant safety data sheet for more detailed information. The information and data presented herein are to the best of our knowledge true and accurate but no warranty or guarantee, expressed or implied, is made nor is any liability accepted with respect to the use of such information and data.

Versalis is available to provide the guaranteed values for each product on demand.