

# Lotrène<sup>®</sup> MG 20

LOW DENSITY POLYETHYLENE

## Low Density Polyethylene

### DESCRIPTION

Lotrène<sup>®</sup> MG20 is an injection molding grade mainly recommended for the injection molding of thin and flexible items.

### PROPERTIES

The high melt flow index of Lotrène<sup>®</sup> MG20 leads to good flow properties. It is ideal for filling the cavities of the complex molds with high surface gloss.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow Index	20	g/10 min.	ASTM D-1238
Density @ 23 °C	0.918	g/cm <sup>3</sup>	ASTM D1505
Crystalline Melting Point	102	°C	ASTM E-794
Vicat Softening Point	80	°C	ASTM D-1525
Tensile Strength @ Yield	8	MPa	ASTM D-638
Tensile strength @ Break	8	MPa	ASTM D-638
Elongation @ Break	340	%	ASTM D-638

### PROCESSING

Lotrène<sup>®</sup> MG20 can be processed on all types of injection molding machines.

The temperatures and pressures used for the processing of Lotrène<sup>®</sup> MG20 are normal for the injection of medium melt flow index low-density polyethylene.

The melt temperature range suggested is between 170°C and 240°C. However, optimum conditions are dependant on the equipment used (presses, molds, etc.) and the articles under production (appearance, size, shape, etc.).

### APPLICATIONS

- Flexible household articles
- Lids & caps
- Flower pots
- Master batches

### HANDLING & STORAGE

Polyethylene products should be stored in their original packaging or in clean appropriate silos.

The products should be stored in a dry and well-ventilated area and should not be exposed to direct sunlight and/or heat in any form since this may adversely affect their properties.

As a general rule, our products should not be stored for more than three months from receipt date.

## SAFETY

Under normal conditions Lotrène® products do not present a toxic hazard through skin contact or inhalation. For detailed information please refer to the Safety Data Sheet.

## FOOD CONTACT & REACH

Lotrène® polyethylene products manufactured by Qatar Petrochemical Company (QAPCO) Q.S.C. comply with US, EU and other food contact legislations. Limitations may apply.

All QAPCO Lotrène products are complying with REACH Regulation 1907/2006/EC. The aims of this regulation are to improve the protection of human health and the environment through better and earlier identification of the intrinsic properties of chemical substances.

Please contact your Muntajat representative for detailed compliance certificates.

NOT SUITABLE FOR PHARMACEUTICAL OR MEDICAL APPLICATIONS

## TECHNICAL DISCLAIMER

The values reported in this technical data sheet are the results of tests carried out in accordance with standard test procedures in a laboratory environment. Actual properties may vary depending on batch and extrusion conditions. Therefore, these values should not be used for specification purposes.

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question, and is further advised against relying on the information contained herein as it may relate to any specific use or application.

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