



Lotrène MG70

LOW DENSITY POLYETHYLENE

LDPE/2024/MG70
Date:13/05/2024

Low Density Polyethylene

DESCRIPTION

Lotrène® MG70 is an injection moulding grade mainly recommended for the injection of thin and flexible items and the preparation of masterbatches.

PROPERTIES

The high melt flow index of Lotrène® MG70 leads to excellent flowability and processability. The items produced from this grade possess high flexibility and glossy surface.

PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow Index	70	g/10 min.	ASTM D-1238
Density @ 23 °C	0.918	g/cm3	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	7	MPa	ASTM D-638
Elongation @ Break	240	%	ASTM D-638

PROCESSING

Lotrène® MG70 can be processed on all types of injection moulding machines. The temperatures and pressures used for the processing of Lotrène® MG70 are normal for the injection of low-density polyethylene of high melt flow index.

The melt temperature range suggested is between 150 °C and 170 °C. However, optimum conditions are dependant on the equipment used (presses, moulds, etc.) and the articles under production (appearance, size, shape, etc.).

APPLICATIONS

- Artificial flowers
- Metal coating
- Coating of textiles
- Masterbatches

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.

It is the ultimate responsibility of the user to ensure that the product is suitable for, and the information is applicable to, the user's specific application. QAPCO does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, expressed or implied, or allegedly arising from any usage of any trade or from any course of dealing, in connection with the use of the information contained herein or the product itself.

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