

Lotrène® MG 70

LOW DENSITY POLYETHYLENE

MG 70

DESCRIPTION

Lotrène® MG70 is an injection moulding grade mainly recommended for the injection of the 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/cm ³	ASTM D-1505
Crystalline Melting Point	101	°C	ASTM E-794
Vicat Softening Point	78	°C	ASTM D-1525
Tensile Strength @ Yield	6	MPa	ASTM D-638
Tensile Strength @ Break	10	MPa	ASTM D-638
Elongation @ Break	200	%	ASTM D-638
Shrinkage	1.5-2.5	%	ASTM D-955



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Note: The values given in this technical data sheet are the results of tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as average values provided without implying any undertaking on our part.

PROCESSING

Lotrène® MG70 can be processed on all types of injection moulding machines.

The temperature and pressure used for the processing of Lotrène® MG70 are normal for the injection of low-density polyethylene of medium 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

SAFETY AND STORAGE

Under normal conditions Lotrène® MG70 does not present a toxic hazard through skin contact or inhalation. During processing, contact with molten polymer and inhalation of volatilized fumes should be avoided.

Lotrène® MG70 complies with food grade regulations FDA, 21 FR chapter 177-1520 'Olefin Polymers'. Items made from this grade do not transmit tests nor odor to the material in contact with.

Lotrène® MG70 is inflammable and combustible (category 3) according to ISO R 1210.

Lotrène® MG70 is supplied in plastic bags of 25 kg (net weight) each. The bags are stacked and shrink wrapped on pallets of 1500 kg each (net weight). The product is forwarded either by trucks or in 20-foot sea containers.

Lotrène® MG70 should not be stored for more than three months nor be exposed to direct sunlight and/or heating during storage since this may adversely affect the properties of the product.

