SAFFRON GROUP

# MG70 - Low Density Polythylene

## Product Specification

### DESCRIPTION

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

### PROPERTIES

The high melt ow index of MG70 leads to excellent owability and processability. The items produced from this grade possess high exibility and glossy surface.

| POLYMER PROPERTIES | VALUE | UNIT | TEST METHOD |
|---|---|---|---|
| Melt Flow Index | 8.0 | g/10 min. | ASTM D-1238 |
| Density @ 23 ℃ | 0.918 | g/cm3 | ASTM D-1505 |
| Crystalline Melting Point | 102 | ℃ | ASTM E-794 |
| Vicat Softening Point | 80 | ℃ | 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

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

The temperatures and pressures used for the processing of MG70 are normal for the injection of low- density polyethylene of high melt ow 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.).

FOR MORE INFORMATION :
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## HANDLING AND 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 MG70 product does not present a toxic hazard through skin contact or inhalation. For detailed information please refer to the Safety Data Sheet.

## NOT SUITABLE FOR PHARMACEUTICAL OR MEDICAL APPLICATIONS

MG70 product is 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 speci cation 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 speci c use in question, and is further advised against relying on the information contained herein as it may relate to any speci c 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 speci c application. Muntajat does not make, and expressly disclaims, all warranties, including warranties of merchantability or tness 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. The user expressly assumes all risks and liabilities, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Trademarks may not be used in any manner other than expressly authorized in a written agreement and no trademark or license rights of any kind are granted hereunder, by implication or otherwise.

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