# OREVAC® IM800

## PROVISIONAL TECHNICAL DATASHEET

### Modifier for high impact polyamides modification

## DESCRIPTION

**OREVAC® IM800** is a maleic anhydride modified linear low-density polyethylene available in pellet form.

## TYPICAL PROPERTIES

| Characteristics | Value | Unit | Test Method |
|---|---|---|---|
| Melt Index (190°C / 2.16 kg) | 0.5 | g/10min | ISO 1133 / ASTM D1238 |
| Melting point | 55 | °C | ISO 11357-3 |
| Freezing point | 30°C | °C | Internal method (DSC) |
| Glass transition temperature | -55°C | °C | Internal method (DSC) |
| Density | 0.87 | g/cm³ | ISO 1183 / ASTM D1505 |
| Vicat softening temperature (10N)(1) | <40 | °C | ISO 306 / ASTM D1525 |
| Elongation at break(1) | >800 | % | ISO 527 / ASTM D 638 |
| Tensile strength at break(1) | >6 | MPa | ISO 527 / ASTM D 638 |
| Hardness Shore A (1s/15s) (1) | 70 / 62 | | ISO 868 |
| Hardness Shore D (1s/15s) (1) | 21 / 14 | | ISO 868 |

(1) On compression molded samples.

## APPLICATIONS

**OREVAC® IM800** has been designed to be used as a high impact modifier for a large range of engineering polymers such as polyamides (PA6, PA66, PA12 etc.). Due to its properties (softness, reactivity), **OREVAC® IM800** is especially suitable when high performances at very low temperatures (-40°C) are required.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

OREVAC® BY ARKEMA

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## PROCESSING

**OREVAC® IM800** can be processed over a wide range of conditions. Compounding can be achieved on conventional equipments with usual temperatures needed for polyamides modification.

## STORAGE, HANDLING AND SAFETY

**OREVAC® IM800** should be stored in dry conditions protected from UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.
Due to its physical properties (Vicat temperature <40°C), it may be possible that the **OREVAC® IM800** shows some caking.

Safety data sheet as well as information on handling and storage of **OREVAC® IM800** is available upon request to your ARKEMA representative or at orevac.com

## SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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