

# OREVAC® IM300

## Modifier for high impact polyamides modification

### DESCRIPTION

OREVAC® IM300 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)                     | 1.2     | g/10min           | ISO 1133 / ASTM D1238 |
| Melting point                                    | 112     | °C                | ISO 11357-3           |
| Density                                          | 0.87    | g/cm <sup>3</sup> | ISO 1183 / ASTM D1505 |
| Vicat softening temperature (10N) <sup>(1)</sup> | 31      | °C                | ISO 306 / ASTM D1525  |
| Elongation at break <sup>(1)</sup>               | >800    | %                 | ISO 527 / ASTM D 638  |
| Tensile strength at break <sup>(1)</sup>         | >6      | MPa               | ISO 527 / ASTM D 638  |
| Flexural modulus <sup>(1)</sup>                  | < 20    | MPa               | ISO 178 / ASTM D 790  |
| Hardness Shore A (1s/15s) <sup>(1)</sup>         | 78 / 68 |                   | ISO 868               |
| Hardness Shore D (1s/15s) <sup>(1)</sup>         | 26 / 17 |                   | ISO 868               |

<sup>(1)</sup> On compression molded samples.

### APPLICATIONS

OREVAC® IM300 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® IM300 is especially suitable when a compound with excellent processability, especially in injection, is required.

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

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## PROCESSING

**OREVAC® IM300** 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® IM300** 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® IM300** shows some caking.

Safety data sheet as well as information on handling and storage of **OREVAC® IM300** is available upon request to your ARKEMA representative or at [orevac.com](http://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.

March 2015

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