

## High impact Resin for polymer modification

### Description

OREVAC® IM300 is a maleic anhydride modified low-density polyethylene available in pellet form.

### Applications

OREVAC® IM300 has been designed to be used as impact strength modifier of a large range of engineering polymers such as polyamides.

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

### Typical properties

| Characteristics                                  | Value | Unit              | Test Method            |
|--|-------|-------------------|------------------------|
| Melt index (190°C / 2.16 kg)                     | 0.97  | g/10min           | ISO 1133 / ASTM D 1238 |
| Melting point                                    | 109.5 | °C                | ISO 11357-3            |
| Density  | 0.871 | g/cm <sup>3</sup> | ISO 1183 / ASTM D 1505 |
| Vicat softening temperature (10N) <sup>(1)</sup> | 40    | °C                | ISO 306 / ASTM D 1525  |
| Stress at yield                                  | 2.5   | MPa               | ISO R 527 / ASTM D 638 |
| Elongation at break <sup>(1)</sup>               | 725   | %                 | ISO R 527 / ASTM D 638 |
| Tensile strength at break <sup>(1)</sup>         | 13    | MPa               | ISO R 527 / ASTM D 638 |
| Flexural modulus <sup>(1)</sup>                  | < 20  | MPa               | ISO 178 / ASTM D 790   |
| Hardness shore D <sup>(1)</sup>                  | 30.5  |                   | ISO 868                |

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

### 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 product shows some caking. This is particularly true during summer time.

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

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