

OREVAC® IM300 / IM300N

Modifier for high impact polyamides modification

DESCRIPTION

OREVAC® IM300 / IM300N is a maleic anhydride modified very low-density polyethylene available in pellet form.

TYPICAL PROPERTIES

| Characteristics | Value | Unit | Test Method |
|--|-----------|-------------------|-----------------------|
| Melt Index (190°C / 2.16 kg) | 0.4 - 1.4 | g/10min | ISO 1133 / ASTM D1238 |
| Melting point | 110 | °C | ISO 11357-3 |
| Density | 0.876 | g/cm ³ | 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 |
| Flexural modulus ⁽¹⁾ | 18 | MPa | ISO 178 / ASTM D 790 |
| Hardness Shore A (1s/15s) ⁽¹⁾ | 86 / 76 | | ISO 868 |
| Hardness Shore D (1s/15s) ⁽¹⁾ | 28 / 19 | | ISO 868 |

⁽¹⁾ On compression molded samples.

APPLICATIONS

OREVAC® IM300 / IM300N 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 / IM300N 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.

OREVAC® IM300 / IM300N

PROCESSING

OREVAC® IM300 / IM300N can be processed over a wide range of conditions. Compounding can be achieved on conventional equipment with usual temperatures needed for polyamides modification.

STORAGE, HANDLING AND SAFETY

OREVAC® IM300 / IM300N 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 / IM300N shows some caking.

Safety data sheet as well as information on handling and storage of OREVAC® IM300 / IM300N 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.

March 2018

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Any claim relating to defects or non-compliance of the products shall be valid only if it is sent to Arkema in writing within fifteen (15) calendar days following delivery of the Product.