

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 ³	ISO 1183 / ASTM D 1505
Vicat softening temperature (10N) ⁽¹⁾	40	°C	ISO 306 / ASTM D 1525
Stress at yield	2.5	MPa	ISO R 527 / ASTM D 638
Elongation at break ⁽¹⁾	725	%	ISO R 527 / ASTM D 638
Tensile strength at break ⁽¹⁾	13	MPa	ISO R 527 / ASTM D 638
Flexural modulus ⁽¹⁾	< 20	MPa	ISO 178 / ASTM D 790
Hardness shore D ⁽¹⁾	30.5		ISO 868

⁽¹⁾ 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.

September 2010

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