

# OREVAC<sup>®</sup> IM800

## PROVISIONAL TECHNICAL DATASHEET

### Modifier for high impact polyamides modification

#### DESCRIPTION

OREVAC<sup>®</sup> IM800 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 - 1.2	g/10min	ISO 1133 / ASTM D1238
Melting point	46	°C	ISO 11357-3
Glass transition temperature	-56	°C	Internal method (DSC)
Density	0.866	g/cm <sup>3</sup>	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) <sup>(1)</sup>	< 40	°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>	6	MPa	ISO 178 / ASTM D790
Hardness Shore A (1s/15s) <sup>(1)</sup>	70 / 62		ISO 868
Hardness Shore D (1s/15s) <sup>(1)</sup>	20 / 14		ISO 868

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

#### APPLICATIONS

OREVAC<sup>®</sup> 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<sup>®</sup> 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.

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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](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 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.