

# OREVAC<sup>®</sup> IM800/IM800N

OREVAC<sup>®</sup> IM800/IM800N is a maleic anhydride grafted very low-density polyethylene.

- OREVAC<sup>®</sup> IM800/IM800N 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/IM800N is especially suitable when high performance at low temperature (-40°C) are required.

## Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	0.8
Melting Point	ISO 11357-3	°C	55
Density	ISO 1183 / ASTM D1505	g/cm <sup>3</sup>	0.87
Vicat softening temperature (10N) 1	ISO 306 / ASTM D1525	°C	<40
Flexural Modulus <sup>1</sup>	ISO 178 / ASTM D790	MPa	6
Elongation at break <sup>1</sup>	ISO 527-2 / ASTM D638	%	>800
Tensile strength at break <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	> 6
Hardness Shore A (1s/15s) <sup>1</sup>	ISO 868		70/62
Hardness Shore D (1s/15s) <sup>1</sup>	ISO868		20/14

<sup>1</sup>: On compression molded samples.

## **Processing**

OREVAC® IM800/IM800N 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 & Safety**

OREVAC® IM800/IM800N 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/IM800N shows some caking.

Safety data sheet as well as information on handling and storage of the OREVAC® IM800/IM800N is available upon request to your SK Functional Polymer representative.

## **Shelf Life**

Three years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

*The information above is believed to be accurate and represents the best information currently available to us. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to SK Corporation's standard terms and conditions of sale, copies of which are available upon request and which are part of SK Functional Polymer invoices and/or order acknowledgments. Except as expressly provided in SK Corporation's standard terms and conditions of sale, SK Corporation makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and SK Corporation assumes no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. SK Functional Polymer is a subsidiary of SK Global Chemical.*