

# OREVAC<sup>®</sup> IM800

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

- 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 performance at low temperature (-40°C) is required.

## Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	0.8
Grafted MAH content	Internal	%	[0.2 – 0.6]
Melting Point	ISO 11357	°C	55
Density	ISO 1183 / ASTM D792	g/cm <sup>3</sup>	0.87
Vicat softening temperature (10N) <sup>1</sup>	ISO 306	°C	<40
Flexural Modulus <sup>1</sup>	ISO 178	MPa	6
Elongation at break <sup>1</sup>	ISO 527 / ASTM D638	%	>800
Tensile strength at break <sup>1</sup>	ISO 527 / 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.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof and cannot be used as product specifications. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, SKFP expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.

### **Processing**

OREVAC® IM800 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 should be stored in a ventilated area, away from heat, humidity and direct sunlight. Improper storage conditions may cause degradation and could 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. This is particularly true during summertime.

Safety data sheet as well as information on handling and storage of the OREVAC® IM800 are available upon request to your SK Functional Polymer representative or at [www.sk-fp.com](http://www.sk-fp.com).

### **Shelf Life**

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