SK functional polymer

Technical Data Sheet
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OREVAC® IM800

OREVAC® IM800 is a maleic anhydride grafted very low-density polyethylene.

- OREVAC® 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® 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^3	0.87
Vicat softening temperature (10N)[1]	ISO 306	°C	<40
Flexural Modulus[1]	ISO 178	MPa	6
Elongation at break[1]	ISO 527 / ASTM D638	%	>800
Tensile strength at break[1]	ISO 527 / ASTM D638	MPa	> 6
Hardness Shore A (1s/15s)[1]	ISO 868		70/62
Hardness Shore D (1s/15s)[1]	ISO868		20/14

[1]: On compression molded samples.

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.

Shelf Life

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