

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 / ASTM D1238	g/10min.	0.8
Melting Point	ISO 11357-3	°C	55
Density	ISO 1183 / ASTM D1505	g/cm ³	0.87
Vicat softening temperature (10N) ¹	ISO 306 / ASTM D1525	°C	<40
Flexural Modulus ¹	ISO 178 / ASTM D790	MPa	6
Elongation at break ¹	ISO 527-2 / ASTM D638	%	>800
Tensile strength at break ¹	ISO 527-2 / 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 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.

