

OREVAC® IM800

PROVISIONAL TECHNICAL DATASHEET

Modifier for high impact polyamides modification

DESCRIPTION

OREVAC® IM800 is a maleic anhydride modified linear low-density polyethylene available in pellet form.

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Melt Index (190°C / 2.16 kg)	0.5	g/10min	ISO 1133 / ASTM D1238
Melting point	55	°C	ISO 11357-3
Freezing point	30°C	°C	Internal method (DSC)
Glass transition temperature	-55°C	°C	Internal method (DSC)
Density	0.87	g/cm ³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) ⁽¹⁾	<40	°C	ISO 306 / ASTM D1525
Elongation at break ⁽¹⁾	>800	%	ISO 527 / ASTM D 638
Tensile strength at break ⁽¹⁾	>6	MPa	ISO 527 / ASTM D 638
Hardness Shore A (1s/15s) ⁽¹⁾	70 / 62		ISO 868
Hardness Shore D (1s/15s) ⁽¹⁾	21 / 14		ISO 868

⁽¹⁾ On compression molded samples.

APPLICATIONS

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 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

SHELF LIFE

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

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