

# OREVAC<sup>®</sup> 18732

OREVAC<sup>®</sup> 18732 is a maleic anhydride grafted polypropylene.

- OREVAC<sup>®</sup> 18732 is mainly used in applications where mechanical and adhesive performances at high temperatures are required.
- OREVAC<sup>®</sup> 18732 is used as tie layer in 3 layers polypropylene coatings (epoxy primer / adhesive / polypropylene) for external protection of steel pipes.

## Typical Properties

	Test Method	Unit	Typical Value
Melt Index (230°C/2.16kg)	ISO 1133	g/10min.	8
Grafted MAH content	Internal	%	< 0.2
Melting Point	ISO 11357	°C	134
Density	ISO 1183 / ASTM D792	g/cm <sup>3</sup>	0.9
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306	°C	120
Tensile strength at break <sup>1</sup>	ISO 527 / ASTM D638	MPa	20
Elongation at break <sup>1</sup>	ISO 527 / ASTM D638	%	500

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

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## Processing

OREVAC® 18732 is not corrosive and is readily processed with standard polyolefin equipment. Conditions typically used in extrusion of polypropylene resins are suitable. Typical extrusion temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Exit	Fittings-Channels	Die
160-180°C	180-200°C	200-220°C	210-230°C	215-230°C	220-230°C	220-240°C

Final profile and settings will depend on the line and the multi-layer structure being run.

## Storage, Handling & Safety

OREVAC® 18732 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.

Safety data sheet as well as information on handling and storage of the OREVAC® 18732 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.