

# OREVAC<sup>®</sup> 18300M

OREVAC<sup>®</sup> 18300M is a maleic anhydride grafted linear low-density polyethylene.

- OREVAC<sup>®</sup> 18300M has been developed for medical applications.
- OREVAC<sup>®</sup> 18300M has been designed to develop a reliable bonding strength in coextrusion processes between polyethylene or ethylene copolymers and different materials among which polyamides and EVOH.
- OREVAC<sup>®</sup> 18300M is recommended for cast or blown film coextrusion.

This grade offers the highest quality and it is specially designed to meet the stringent requirements of the medical applications. It can be used in the manufacturing of equipment such as catheters.

Upon request letter regarding USP Class VI testing can be provided.

## Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	2.3
Melting Point	ISO 11357-3	°C	120
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306 / ASTM D1525	°C	85
Density	ISO 1183 / ASTM D1505	g/cm <sup>3</sup>	0.91

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

## Processing

OREVAC® 18300M is to be processed like a standard polyethylene resin. Typical extrusion temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Exit	Fittings-Channels	Die
190-120°C	200°C	200-210°C	210-220°C	220-230°C	220-240°C	220-240°C

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

## Storage, Handling & Safety

OREVAC® 18300M 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.

Safety data sheet as well as information on handling and storage of the OREVAC® 18300M is available upon request to your SK Functional Polymer representative.

## Shelf Life

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

*The information above is believed to be accurate and represents the best information currently available to us. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to SK Corporation's standard terms and conditions of sale, copies of which are available upon request and which are part of SK Functional Polymer invoices and/or order acknowledgments. Except as expressly provided in SK Corporation's standard terms and conditions of sale, SK Corporation makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and SK Corporation assumes no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. SK Functional Polymer is a subsidiary of SK Global Chemical.*