

OREVAC[®] 18300M

OREVAC[®] 18300M is a maleic anhydride grafted linear low-density polyethylene.

- OREVAC[®] 18300M has been developed for medical applications.
- OREVAC[®] 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[®] 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	g/10min.	2.3
Grafted MAH content	Internal	%	> 0.19
Melting Point	ISO 11357	°C	120
Density	ISO 1183 / ASTM D792	g/cm ³	0.91
Vicat Softening Temperature (10N) ¹	ISO 306	°C	85

¹: 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 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® 18300M 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.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof and cannot be used as product specifications. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, SKFP expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.