SK functional polymer

Technical Data Sheet

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 / ASTM D1238	g/10min.	2.3
Melting Point	ISO 11357-3	°C	120
Vicat Softening Temperature (10N)[1]	ISO 306 / ASTM D1525	°C	85
Density	ISO 1183 / ASTM D1505	g/cm^3	0.91

[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 dry conditions protected from UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.