OREVAC® 18300M

Linear low-density polyethylene based tie resin for film coextrusion

DESCRIPTION

OREVAC® 18300M is a maleic anhydride modified linear low-density polyethylene adhesive resin. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyolefin.

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Melt Index (190°C / 2.16 kg)	2.3	g/10min	ISO 1133 / ASTM D1238
Melting point	120	°C	ISO 11357-3
Density	0.916	g/cm³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) (1)	85	°C	ISO 306 / ASTM D1525

(1) On compression molded samples.

APPLICATIONS

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 equipments such as catheters.

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

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

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OREVAC® 18300M

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 - 200°C	200 - 200°C	200 - 210°C	210 - 220°C	220 - 230°C	220 - 240°C	220 - 240°C

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

STORAGE, HANDLING AND 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 **OREVAC® 18300M** is available upon request to your ARKEMA representative or on the web site 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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