

Linear low-density tie resin for cast film coextrusion

Description

OREVAC® 18380 is a maleic anhydride modified linear low-density polyethylene available in pellet form. It can be processed on most extrusion equipments designed to process conventional polyolefins.

Applications

OREVAC® 18380 has been designed to develop a reliable bonding strength between polyethylene or most ethylene copolymers and many kinds of different materials among which polyamides and EVOH. **OREVAC® 18370** is recommended for cast film coextrusion.

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

Typical properties

Characteristics	Value	Unit	Test Method
Melt index (190°C / 2.16 kg)	4	g/10min	ISO 1133 / ASTM D 1238
Melting point	120	°C	ISO 11357-3
Density	0.911	g/cm ³	ISO 1183 / ASTM D 1505
Vicat softening temperature (10N) ⁽¹⁾	83	°C	ISO 306 / ASTM D 1525

⁽¹⁾ On compression molded samples.

Processing

OREVAC® 18380 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
160 – 180°C	180 – 200°C	200 – 220°C	210 – 230°C	220 – 240°C	230 – 250°C	230 – 250°C

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

Storage, handling and safety

OREVAC® 18380 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® 18380** is available upon request to your ARKEMA representative or at www.orevac.com.

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