

# OREVAC® 18380

## 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 <sup>3</sup>	ISO 1183 / ASTM D 1505
Vicat softening temperature (10N) <sup>(1)</sup>	83	°C	ISO 306 / ASTM D 1525

<sup>(1)</sup> 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.