

## Linear low-density tie resin for film or sheet coextrusion

### Description

OREVAC® 18910 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® 18910 has been designed to develop a reliable bonding strength between PS, PE, EVOH and PA in coextruded multi-layer structures like films or sheets.

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)	1	g/10min	ISO 1133 / ASTM D1238
Melting point	117	°C	ISO 11357-3
Density	0.950	g/cm <sup>3</sup>	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) <sup>(1)</sup>	77	°C	ISO 306 / ASTM D1525

<sup>(1)</sup> On compression molded samples.

### Processing

OREVAC® 18910 is to be processed like a standard polyethylene resin.

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.

We recommend not to reach melt temperature above 250°C. Too high processing temperature could lead to degradation of OREVAC®.

### Storage, handling and safety

OREVAC® 18910 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® 18910 is available upon request to your ARKEMA representative or at [www.orevac.com](http://www.orevac.com).

September 2010

The information contained in this document is based on trials carried out by our Research Centers and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.

