

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 ³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) ⁽¹⁾	77	°C	ISO 306 / ASTM D1525

⁽¹⁾ 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.

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