

## EVA based tie resin for coextrusion

### Description

**OREVAC® 18211** is a coextrusion adhesive resin based on a maleic anhydride modified ethylene-vinyl acetate copolymer. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyolefin.

### Applications

**OREVAC® 18211** has been designed to develop a reliable bonding strength in coextrusion processes between polyethylene or ethylene copolymers and different materials among which polyamides, PS, EVOH and PET. It can be processed within different extrusion and coextrusion technologies including cast film, blown film, sheet calandering, blow molding, tube extrusion.

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)	3.5	g/10min	ISO 1133 / ASTM D1238
Melting point	75	°C	ISO 11357-3
Density	0.95	g/cm <sup>3</sup>	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) <sup>(1)</sup>	51	°C	ISO 306 / ASTM D1525

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

### Processing

**OREVAC® 18211** 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	220-230°C	220-230°C

We recommend not to reach melt temperature above 240°C. Too high processing temperature could lead to degradation of **OREVAC® 18211** and acetic acid formation. Final profile and settings depend on the line and the multi-layer structure being run.

### Storage, handling and safety

**OREVAC® 18211** 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® 18211** is available upon request to your ARKEMA representative or at [www.orevac.com](http://www.orevac.com).

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