

# OREVAC<sup>®</sup> 18729

## Maleic anhydride grafted Polypropylene

### Description

**OREVAC 18729** is a maleic anhydride modified PP based resin. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyolefins.

### Applications

**OREVAC 18729** is an extrusion adhesive to be used in coextrusion technologies. As adhesive, **OREVAC 18729** has been designed to develop adhesion between PP and EVOH or PP and PA.

### Typical characteristics

Characteristics	Value	Unit	Test Method
Melt index (230°C / 2,16 kg)	4.5	g/10mn	ISO 1133
Melting point	162	°C	DSC (internal)
Vicat	137	°C	ISO 306
Density	0.9	g/cm <sup>3</sup>	ISO 1183
Strength at break	41	MPa	ISO R 527 / ASTM D 638
Strength at yield	26	MPa	ISO R 527 / ASTM D 638
Flexural Modulus	750	MPa	ISO R 178
Elongation at break	615	%	ISO R 527 / ASTM D 638

### Processing

**OREVAC 18729** is readily processed with standard polyolefin equipment. Conditions typically used in coextrusion with PP and EVOH for the production of cast or blown film :

A standard temperature setting profile would be :

Extruder 210 – 220 – 220 – 230 – 230 °C

Adapter pipe 230°C

Feed block 230°C

Die 230°C

Final profile and settings depend on the line and the multilayer structure being run.

### Storage and handling

**OREVAC 18729** should be stored in dry conditions at temperature below 50°C and protected from UV-light. Improper storage conditions can cause degradation and have consequences on physical properties of the product.

### Safety

Safety data sheet as well as information on handling and storage of **OREVAC 18729** is available upon request to your ARKEMA representative or at [www.arkemagroup.com](http://www.arkemagroup.com) under heading FDS.

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