

OREVAC[®] 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 ³	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 under heading FDS.

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