OREVAC® 18729

Polypropylene based tie resin for coextrusion

Description

OREVAC® 18729 is maleic anhydride modified polypropylene. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyolefin.

Applications

OREVAC® 18729 has been designed to develop a reliable bonding strength between polypropylene or propylene copolymers and many kinds of different materials among which polyamides and EVOH. **OREVAC® 18729** is recommended for sheet calandering and blow moulding coextrusion.

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 (230°C / 2.16 kg)	4.5	g/10min	ISO 1133 / ASTM D1238
Melting point	162	°C	ISO 11357-3
Density	0.900	g/cm^3	ISO 1183 / ASTM D1283
Vicat softening point (10N) (1)	137	°C	ISO 306 / ASTM D1525
Flexural modulus (1)	750	MPa	ISO 178 / ASTM D790
Strength at break (2)	41	MPa	ISO 527-2 / ASTM D638
Strength at yield (2)	26	MPa	ISO 527-2 / ASTM D638
Elongation at break (2)	615	%	ISO 527-2 / ASTM D638

(1) Measured on 25 µm films

(2) Measured on compression molded samples

Processing

OREVAC® 18729 is not corrosive and is readily processed with standard polyolefin equipment. Conditions typically used in extrusion of polypropylene resins are suitable.

Extrusion temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Fittings-Channels	Die
210-220°C	220-230°C	230°C	230°C	240°C	240°C

Final profile and settings depend on the line and multi-layer structure being run.

Storage, handling and safety

OREVAC® 18729 should be stored in dry conditions and 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® 18729** is available upon request to your ARKEMA representative or at www.orevac.com.

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The world is our inspiration
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