OREVAC® 18720

Polypropylene based tie resin for coextrusion

Description

OREVAC® 18720 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® 18720 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® 18720** can be processed within different extrusion and coextrusion technologies including cast film, blown film, sheet calandering, blow molding, tube extrusion. It can also be used as tie layer in 3 layers polypropylene coatings (epoxy primer / adhesive / polypropylene) for external protection of steel pipe.

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)	3.5	g/10min	ISO 1133 / ASTM D1238
Melting point	167	°C	ISO11357-3
Density	0.901	g/cm^3	ISO 1183 / ASTM D1505
Vicat softening point (10N)(1)	148	°C	ISO 306 / ASTM D1525

(1) On compression molded sample.

Processing

OREVAC® 18720 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® 18720 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® 18720P** 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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