OREVAC® 18732

Polypropylene based tie resin for pipe coating

Description

OREVAC® 18732 is a maleic anhydride modified polypropylene available in pellet form. It can be processed on most extrusion equipments designed to process conventional polyolefins.

Applications

OREVAC® 18732 is mainly used in applications where mechanical and adhesive performances at high temperatures are required. **OREVAC® 18732** is 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 flow index (230°C / 2.16kg)	8	g/10 min	ISO 1133 / ASTM D1238
Density (23°C)	0.980	g/cm^3	ISO 1183 / ASTM D1505
Melting Temperature	134	°C	ISO 11357-3
Vicat softening point (10N)(1)	120	°C	ISO 306 / ASTM D1525
Tensile strength at break (1)	20	MPa	ISO 527-2 / ASTM D638
Elongation at break (1)	500	%	ISO 527-2 / ASTM D638

(1) On compression molded samples.

Processing

OREVAC® 18732 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	Exit	Fittings-Channels	Die
160 – 180°C	180 – 200°C	200 – 220°C	210 – 230°C	215 – 230°C	220 –230°C	220 – 240°C

Final profile and settings depend on the line.

Storage, handling and safety

OREVAC® 18732 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.

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