

Maleic anhydride grafted polypropylene

Technical data sheet

Description

OREVAC 18725 is a maleic anhydride grafted polypropylene used in the manufacturing of polypropylene coatings for steel pipeline or in packaging for use as a sealing layer in co-extruded film applications

Main applications

OREVAC 18725 is mainly used in pipe coating to have good adhesion performances between onto epoxy primer at low activation temperature.

Typical characteristics

| Characteristics | 18725 | Unit | Test Method |
|------------------------------|-------|--------|-------------|
| Melt index (230°C / 2,16 kg) | 14.5 | g/10mn | ISO 1133 |
| Melting Point | 126 | °C | DSC |
| Cristallisation temperature | 78 | °C | DSC |
| Density | 0.9 | - | ISO 1183 |

Processing

OREVAC 18725 is transformed by flat extrusion or annular coextrusion die. Extrusion condition depends on the equipments and on the line configuration.

| Zone 1 | Zone 2 | Zone 3 | Zone 4 | Exit | Fittings-Channels | Die |
|-----------|-----------|-----------|-----------|-----------|-------------------|-----------|
| 160 – 180 | 180 - 200 | 200 - 220 | 210 - 230 | 215 - 230 | 220 -230 | 220 - 240 |

Security / Precautions of use

OREVAC 18725 must be stocked in dry conditions below than 50°C and protected from UV rays. Improper storage conditions can cause degradation and have consequences on the physical properties of the product.

Shell life is 1 years from the production date.

A safety data sheet is available close to your correspondent ARKEMA or on the site www.arkemagroup.com under heading FDS.

April 2007

The information contained in this document is based on trials carried out by our Research Centers and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.



Technical Polymers Division

420, rue d'Estienne d'Orves
92705 COLOMBES Cedex
www.arkema.com

