

## Maleic anhydride modified polypropylene

### Description

OREVAC 18732 and 18732P are maleic anhydride modified polypropylene used in the manufacturing of multilayer structures. These products are available in pellets or in powder.

### Main applications

OREVAC 18732 and 18732P are mainly used in application where mechanical and adhesive performances at high temperatures are required. These Orevac are used as tie layer in 3 layer polypropylene coatings (epoxy primer / adhesive / polypropylene) for external protection of steel pipe.

### Typical characteristics

Characteristics	Value	Unit	Test Method
Melt index (230°C / 2,16 kg)	6 - 10	g/10mn	ISO 1133
Melting Point	134	°C	DSC
Vicat softening point (1 kg)	120	°C	ISO 306
Density	0.89	-	ISO 1183

### Physical characteristics

Characteristics	Value	Unit	Test Method								
Strength at break <sup>(1)</sup>	20	MPa	ISO R 527-2								
Elongation at break <sup>(1)</sup>	≥500	%	ISO R 527-2								
Hardness shore D (At t=0s)	6	-	ISO 608								
Sieve analysis for Orevac 18732P :	<table border="0"> <tr> <td>&gt;400µm =</td> <td>&lt;0%</td> </tr> <tr> <td>400-300µm =</td> <td>&lt;15%</td> </tr> <tr> <td>300-100µm =</td> <td>&gt; 65%</td> </tr> <tr> <td>&lt;125µm =</td> <td>&lt;20%</td> </tr> </table>			>400µm =	<0%	400-300µm =	<15%	300-100µm =	> 65%	<125µm =	<20%
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<sup>(1)</sup> Measurement done on samples prepared from compressed molded sheet ( speed test 10mm/min.)

## Processing

**OREVAC 18732** is applied side extrusion and by powder sintering, or gun spray projection for **OREVAC 18732P**.

Extrusion condition depends on the equipments and on the line configuration. Application of **OREVAC 18732** must be done prior the complete reaction of the epoxy primer.

## Security / Precautions of use

**OREVAC 18732 and 18732P** 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 year from the production date.

A safety data sheet is available close to your correspondent ARKEMA or on the site [www.arkemagroup.com](http://www.arkemagroup.com) under heading FDS.

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