

OREVAC[®] 18732 - 18732P

Maleic anhydride grafted polypropylene

Description

OREVAC 18732 and 18732P are maleic anhydride grafted polypropylene used in the manufacturing of multiplayer 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 (190°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 ⁽¹⁾	20	MPa	ISO R 527-2
Elongation at break ⁽¹⁾	500	%	ISO R 527-2
Hardness shore D	6	At t=0s	ISO 608
Sieve analysis for Orevac 18732P :	>400µm = <0%		
	400-300µm =<15%		
	300-100µm > 65%		
	<125µm = <20%		

⁽¹⁾ 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 under heading FDS.

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