

# OREVAC<sup>®</sup> 18760

## Maleic anhydride grafted polypropylene

### Description

**OREVAC 18760** is a maleic anhydride grafted polypropylene used in the manufacturing of three layer PP coating for steel pipeline.

**OREVAC 18760** is also used in multilayer EVOH – PP structures.

### Main applications

**OREVAC 18760** is mainly used in pipe coating to have good adhesion performances between an epoxy primer and a PP or between EVOH and PP for heating tube applications.

**OREVAC 18760** combined with a proper PP and epoxy fulfil the requirement of different application standards when applied in the rules of art.

### Typical characteristics

Characteristics	Value	Unit	Test Method
Melt index (210°C / 2,16 kg)	3.8	g/10mn	ISO 1133
Melting Point	152	°C	DSC
Vicat softening point (1 kg)	126	°C	ISO 306
Density	0.91	-	ISO 1183

### Physical characteristics

Characteristics	Value	Unit	Test Method
Strength at yield <sup>1</sup>	24	MPa	ISO R 527-2
Strength at break <sup>1</sup>	43	MPa	ISO R 527-2
Elongation at break <sup>1</sup>	540	%	ISO R 527-2
Hardness shore D	62	At t=0s	ISO 608

(1) Measurement done on samples prepared from compressed molded sheet ( speed test 10mm/min.)

### Processing

**Orevac 18760** is transformed and applied by side extrusion with a flat die or by annular crosshead coextrusion. Extrusion conditions depend on the equipments and on the line configuration.

Zone 1	Zone 2	Zone 3	Zone 4	Exit	Fittings-Channels	Die
190 - 210	195 - 220	200 - 225	205 - 230	210 - 240	220 -240	220 - 240

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## Security / Precautions of use

**OREVAC 18760** 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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