

# OREVAC<sup>®</sup> 18410P

## High-density polyethylene based powder tie resin for pipe-coating

### DESCRIPTION

OREVAC<sup>®</sup> 18410P is a maleic anhydride modified high-density polyethylene powder used in pipe-coating technology for multilayer structures.

### TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Melt Index (230°C / 2.16 kg)	3.5	g/10min	ISO 1133 / ASTM D1238
Melting point	125	°C	ISO 11357-3
Density	0.930	-	ISO 1183 / ASTM D1505
Vicat softening point (10N) <sup>(1)</sup>	110	°C	ISO 306 / ASTM D1525
Strength at Yield <sup>(1)</sup>	12.4	MPa	ISO 527-2 / ASTM D638
Elongation at break <sup>(1)</sup>	> 600	%	ISO 527-2 / ASTM D638

<sup>(1)</sup> On compression molded samples.

### APPLICATIONS

OREVAC<sup>®</sup> 18410P has been designed to develop a reliable bonding strength onto epoxy steel pipe protective layer. It is mainly used as tie layer in three-layer high-density polyethylene coatings (epoxy primer / adhesive / polyethylene), where mechanical and adhesive performances at high temperatures are required.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

# OREVAC® 18410P

## PROCESSING

OREVAC® 18410P is usually applied by powder sintering, or gun spray projection and application must be done prior the complete reaction of the epoxy primer.

## STORAGE, HANDLING AND SAFETY

OREVAC® 18410P should be stored in dry conditions protected from UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of OREVAC® 18410P is available upon request to your ARKEMA representative or at [orevac.com](http://orevac.com)

## SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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