

**High-density polyethylene based powder tie resin for pipe-coating****Description**

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

**Applications**

**OREVAC® 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.

**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.

**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 [www.orevac.com](http://www.orevac.com).

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