

Orevac® 18410P

High Density Polyethylene

Arkema

Technical Data

Product Description

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

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.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Arkema		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America • South America
Features	• Good Adhesion		
Uses	• Coating Applications	• Pipe Coatings	• Tie-Layer
Appearance	• Natural Color		
Forms	• Powder		
Processing Method	• Sintering	• Spraying	

Physical	Nominal Value Unit	Test Method
Density	0.930 g/cm ³	ISO 1183 ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5 g/10 min	ASTM D1238 ISO 1133

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield, Compression Molded)	12.4 MPa	ASTM D638 ISO 527-2
Tensile Elongation Break, Compression Molded	> 600 %	ASTM D638 ISO 527-2

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	110 °C	ISO 306/A ASTM D1525 ³
Melting Temperature	125 °C	ISO 11357-3

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

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