

Linear low-density polyethylene powder tie resin for pipe-coating

Description

OREVAC® 18345 RNP is a maleic anhydride modified linear low-density polyethylene available in black powder form.

Applications

OREVAC® 18345 RNP has been designed to be used as topcoat-layer coatings (epoxy primer/polyethylene) for external pipe protection, especially for coating field joint applications.

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 (190°C / 2.16 kg)	8	g/10min	ISO 1133 / ASTM D1238
Melting point	121	°C	ISO 11357-3
Density	0.930	g/cm ³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) ⁽¹⁾	88	°C	ISO 306 / ASTM D1525
Tensile strength at break ⁽¹⁾	13	MPa	ISO 527-2 / ASTM D638
Elongation at break ⁽¹⁾	700	%	ISO 527-2 / ASTM D638
Hardness Shore D ⁽¹⁾	49	MPa	ISO 527-2 / ASTM D638

⁽¹⁾ On compression molded samples.

Processing

OREVAC® 18345 RNP is usually applied by powder sintering, or gun spray projection and must be take place before the complete polymerization of epoxy.

Storage, handling and safety

OREVAC® 18345 RNP 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® 18345 RNP is available upon request to your ARKEMA representative or at www.orevac.com.

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