

OREVAC[®] 18300

Linear low-density polyethylene based tie resin for film coextrusion

DESCRIPTION

OREVAC[®] 18300 is a maleic anhydride modified linear low-density polyethylene adhesive resin. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyolefin.

TYPICAL PROPERTIES

| Characteristics | Value | Unit | Test Method |
|--|-------|-------------------|-----------------------|
| Melt Index (190°C / 2.16 kg) | 2.3 | g/10min | ISO 1133 / ASTM D1238 |
| Melting point | 120 | °C | ISO 11357-3 |
| Density | 0.916 | g/cm ³ | ISO 1183 / ASTM D1505 |
| Vicat softening temperature (10N) ⁽¹⁾ | 85 | °C | ISO 306 / ASTM D1525 |

⁽¹⁾ On compression molded samples.

APPLICATIONS

OREVAC[®] 18300 has been designed to develop a reliable bonding strength in coextrusion processes between polyethylene or ethylene copolymers and different materials among which polyamides and EVOH.

OREVAC[®] 18300 is recommended for cast or blown film coextrusion.

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

OREVAC® 18300

PROCESSING

OREVAC® 18300 is to be processed like a standard polyethylene resin. Typical extrusion temperature settings could be:

| Zone 1 | Zone 2 | Zone 3 | Zone 4 | Exit | Fittings-Channels | Die |
|-------------|-------------|-------------|-------------|-------------|-------------------|-------------|
| 190 - 200°C | 200 - 200°C | 200 - 210°C | 210 - 220°C | 220 - 230°C | 220 - 240°C | 220 - 240°C |

Final profile and settings depend on the line and the multi-layer structure being run.

STORAGE, HANDLING AND SAFETY

OREVAC® 18300 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® 18300 is available upon request to your ARKEMA representative or on the web site 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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