

Coupling agent for halogen-free flame retardant compounds

Description

OREVAC® 18340 is a maleic anhydride modified linear low-density polyethylene. It has been designed to develop a reliable bonding strength between polyethylene or ethylene copolymers and mineral fillers such as aluminum trihydrate (ATH) or magnesium hydroxide (MDH).

Applications

OREVAC® 18340 is an effective coupling agent for halogen-free flame retardant compounds using high loadings of mineral fillers, such as compounds for insulation and sheathing of wires and cables.

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) | 2.5 | g/10min | ISO 1133 / ASTM D1238 |
| Melting point | 118 | °C | ISO 11357-3 |
| Density | 0.913 | g/cm ³ | ISO 1183 / ASTM D1505 |
| Vicat softening temperature (10N) ⁽¹⁾ | 99 | °C | ISO 306 / ASTM D1525 |

⁽¹⁾ On compression molded samples.

Processing

OREVAC® 18340 is suitable for the production of cable compounds with most common types of equipment (internal mixer, co-kneader, twin screw extruder).

Storage, handling and safety

OREVAC® 18340 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® 18340** is available upon request to your ARKEMA representative or at www.orevac.com.

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