

**High-density polyethylene based coupling agent for filled compounds****PROVISIONAL DATA SHEET****Description**

**OREVAC<sup>®</sup> 18507** is a maleic anhydride modified high-density polyethylene, which is an effective coupling agent in non-halogen flame retardant cable compounds using high loadings of mineral fillers.

**Applications**

**OREVAC<sup>®</sup> 18507** has been designed to be used in insulation and sheathing cables compounds which require outstanding mechanical properties, high tensile strength at break and good elongation, good abrasion and good chemical resistance.

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)	3.3	g/10 min	ISO 1133 / ASTM D1238
Melting point	128	°C	ISO 11357-3
Density	0.954	g/cm <sup>3</sup>	ISO 1183 / ASTM D1505

**Processing**

**OREVAC<sup>®</sup> 18507** is suitable for the production of cable compounds with the most common types of equipments (internal mixer, Buss kneader, twin screw extruder); it provides an effective coupling between the base polymers (EVATANE<sup>®</sup>, LOTRYL<sup>®</sup>, various polyolefins) and the mineral fillers (ATH, MDH).

**Storage, handling and safety**

**OREVAC<sup>®</sup> 18507** 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<sup>®</sup> 18507** is available upon request to your ARKEMA representative or at [www.orevac.com](http://www.orevac.com).

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