

OREVAC[®] OE808

OREVAC[®] OE808 is a maleic anhydride grafted very low-density polyethylene.

- OREVAC[®] OE808 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. Containing a higher amount of grafted reactive functionalities compared to standard LLDPE based coextrusion tie resins.
- OREVAC[®] OE808 is also an effective coupling agent for halogen-free flame retardant compounds (HFFR) using high loadings of mineral fillers, such as aluminium trihydrate (ATH) or magnesium hydroxide (MDH).
- OREVAC[®] OE808 can be used pure or blended with other polyolefins. It can be processed within different coextrusion technologies including cast film, blown film, sheet calendaring, blow molding or tube extrusion.

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	0.6
Melting Point	ISO 11357-3	°C	113
Density	ISO 1183 / ASTM D1505	g/cm ³	0.9
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	61

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Processing

OREVAC® OE808 is suitable for the production of cable compounds with most common types of equipment (internal mixer, co-kneader or twin screw extruder). OREVAC® OE808 is also 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
160-180°C	180-200°C	200-220°C	210-230°C	220-230°C	220-230°C	220-240°C

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

Storage, Handling & Safety

OREVAC® OE808 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 the OREVAC® OE808 is available upon request to your SK Functional Polymer representative.

Shelf Life

Three 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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