

Silcat* VS-904

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Description

Silcat® VS-904 silane is a crosslinking system (silane, peroxide and catalyst) especially developed for the Monosil process for the polyethylene insulation of low- and medium voltage power cables. The product is a proprietary, modified vinyltrimethoxysilane blend containing high levels of a cross-linking tin catalyst - DBTDL.



Key Features and Benefits

The high level of cross-linking tin catalyst leads to short curing times in the post treatment in either steam or hot water baths. The optimum levels of vinyltrimethoxysilane and organic peroxide can result in a low dosage level of product.

On average between 1.2 and 1.6 % of product is required - depending on the type and grade of polyethylene used. Excellent electrical and mechanical properties are achieved for the insulation.

Applications

Silcat VS-904 silane can be used for cross-linking unstabilized polyethylene grades (LDPE/LLDPE) in commercially available one-step extrusion equipment designed for the manufacture of low- and medium voltage power cables.

Typical Physical Properties

Physical Form	Clear Liquid
Color	Colorless
Flashpoint, Tag, closed cup (ASTM D 56-79, °C)	28
Specific gravity (23 °C, g/cm ³)	0.97
Viscosity (25 °C, cP)	???
Data are average data. The actual values may vary. Product specifications need to be agreed upon individually.	

Patent Status

Standard copy to come

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Contact Information

For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

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