

## Silcat™ VS-904

### Silcat\* VS-904

#### 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

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Physical Form	Clear Liquid
Color	Colorless
Flashpoint, Tag, closed cup (ASTM D 56-79, °C)	28
Specific gravity ( 23 °C, g/cm <sup>3</sup> )	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**

Standard copy to come

**Limitations**

Standard copy to come

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