

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 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

Standard copy to come

Limitations

Standard copy to come

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