

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

--

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

Contact Information

Email

commercial.services@momentive.com

Telephone

Americas

+1 800 295 2392
Toll free*
+704 805 6946
Direct Number

*All American countries

Latin America

Brazil
+55 11 4534 9650
Direct Number

Mexico
+52 55 2169 7670

EMEAI- Europe, Middle East, Africa & India

Europe
+390510924300
Direct number

India, Middle East & Africa

ASIA PACIFIC

China
800 820 0202
Toll free
+86 21 3860 4892
Direct number

Japan
+81 3 5544 3111

Direct Number	+ 91 44 71212207	Direct number
	Direct number*	
	*All Middle Eastern	Korea
	countries, Africa, India,	+82 2 6201 4600

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

DISCLAIMER:

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY “SUPPLIER”), ARE SOLD SUBJECT TO SUPPLIER’S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER’S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Supplier’s materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier’s products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier’s standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as

a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

*Silcat™ is a trademark of Momentive Performance Materials Inc.

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc. or its affiliated companies. Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.