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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<table>
<thead>
<tr>
<th>Physical Form</th>
<th>Clear Liquid</th>
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<tbody>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Flashpoint, Tag, closed cup (ASTM D 56-79, °C)</td>
<td>28</td>
</tr>
<tr>
<td>Specific gravity (23 °C, g/cm³)</td>
<td>0.97</td>
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<tr>
<td>Viscosity (25 °C, cP)</td>
<td>??</td>
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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**
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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