

# PLEXCHEM TECHNOLOGIES



## MSDS: SILANE MIX GRADE PERFORMIX 1130

### PLEXCHEM SILANE PRODUCTS

#### CHARACTERISTICS

**Performix1130** is a multi component additive system that is used in the manufacture of Low and Medium voltage cables via the **monosil** method or in the **siloxan** diffusion process for producing moisture cured Crosslink cable compounds. This compound contains all the ingredients\* required for the one step process, where the grafting reaction is done during the extrusion of the base polymer in the cable company's extruders.

\* antioxidant including copper deactivator is added as a masterbatch

**Performix1130** contains the active silane as vinyltrimethoxy silane together with suitable peroxide, catalyst and measured amount of antioxidant dissolved in it. The extruded product can be cured using either steam or hot water and in some cases in ambient temperature depending on the type of polymer used.

This product is designed to be used with **PLEXCHEM**'s special modifier and stabilizer masterbatches to give a product that is less sensitive to precrosslinking and scorching but at the same time provide excellent mechanical chemical and thermal properties.

#### DESCRIPTION

**Performix1130** is in a liquid form and requires special handling techniques to avoid contamination with water.

The recommended dosage is 1.0 - 1.7% of the total PE including any modifier that may be used.

#### PROPERTIES OF FINISHED CABLE

(with 7% modifier **Stab 10\*** and LL,MI 2.8) \**stab 10 is a product of PLEXCHEM TECHNOLOGIES*

ITEM	UNIT	TYPICAL VALUES	TEST METHOD
Tensile	N/mm <sup>2</sup>	>17	IEC 811
Elongation at break	%	>600	IEC 811
Shrinkage	%	<2	IEC 811
Aging @ 150 <sup>0</sup> C with copper			
Variation of tensile	%	<18	IEC 811
Variation of elongation	%	<17	IEC 811
Hot set			
Elongation	%	<80	IEC 811
Set	%	<5	IEC 811

#### STORAGE

**Performix1130** should be stored under shade away from sunlight and rain. Under normal storage condition, an unopened drum has a storage life of 1 year. Opened drums should be sealed immediately to avoid contamination of the remaining chemical.

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Do you have the safety data sheet for this product? Please contact your service representative for one or E-mail us at : [plexchem@plexchem.com.sg](mailto:plexchem@plexchem.com.sg)

**PERFORMIX1130**: a product of **PLEXCHEM TECHNOLOGIES** an **ISO 9001** accredited company.

