

SiSiB[®] VP6180

Vinylsilane Oligomer

INTRODUCTION

SiSiB[®] VP6180 is a vinyl silane concentrate. It is a colorless, nearly odorless liquid. SiSiB[®] VP6180 is suitable as an adhesion promoter between inorganic materials (e.g. minerals, glass, metal) and organic polymers.

The high boiling point of SiSiB[®] VP6180, together with its high flash point, gives it several advantages with respect to safety and handling. It is more environmental as the amount of released hydrolysis alcohol (VOC) is considerably less than for monomeric silanes.

TYPICAL PHYSICAL PROPERTIES

Color and Appearance	Colorless clear liquid
Boiling Point	>220°C [760mmHg]
Flash Point	87°C
Density (25/25°C)	1.1g/cm ³
SiO ₂ content	54

APPLICATIONS

SiSiB[®] VP6180 can be used in filler, pigment treatment, dispersions and etc.

Filled EPDM and EVA can be processed into cable compounds through the adhesion promoting and hydrophobising effect of SiSiB[®] VP6180. It can also be used for halogen-free, non-toxic, environmentally-benign flame retardant compounds (HFFR) based on ATH and MDH.

Typical property improvements obtained by using SiSiB[®] VP6180 in filled polymers include:

- Improved filler dispersion
- Increased heat resistance
- Improvement of creep behavior at increased temperature
- Improved chemical resistance
- Strongly reduced tendency to stress cracking
- Higher impact strength
- Higher abrasion resistance
- Good processability

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PACKING AND STORAGE

SiSiB[®] VP6180 is supplied in net weight 25Kg, 50Kg, 200Kg drum.

In the unopened original container SiSiB[®] VP6180 has a shelf life of one year in a dry and cool place.

NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: silanes@SiSiB.com.