

Product Information

VPS SIVO 260

Modified organofunctional silane oligomer

CAS NUMBER

confidential

PRODUCT DESCRIPTION

VPS SIVO 260 is a novel multifunctional siloxane adhesion promoter with aminofunctionalities that can be used for various applications.

VPS SIVO 260 is mainly dedicated for use in adhesives & sealants to improve the adhesion of hybrid products (e.g. silylated polyurethanes, MS Polymers®) and RTV-silicones - especially to difficult to stick polycarbonate and metal (aluminum) substrates. In addition, VPS SIVO 260 can lead to adequate adhesive cure and it imparts both additional flexibility and hydrophobicity.

Typical Properties

Property	Unit	Value
Appearance		colorless to light yellowish
Chemical Name		Modified organofunctional silane oligomer
Density (20 °C) DIN 51757	g/cm ³	1.15
Flash Point, min. EN 22719	°C	95
Viscosity (20 °C) DIN 53019	mPa·s	750

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

VPS SIVO 260 is a versatile product that provides improved product performance and quality. VPS SIVO 260 is soluble in alcohols, aliphatic and aromatic hydrocarbons, but it can undergo reactions with ketones or ester solvents. VPS SIVO 260 is considered primarily as an additive in moisture curable adhesives & sealants to eliminate the need for special primers in numerous bonding applications.

Loading levels of 0,5 to 2,0 wt. % of VPS SIVO 260 as an additive - calculated on the overall formulation - are typically recommended.

BENEFITS & ADVANTAGES

VPS SIVO 260 has been developed mainly for use in:

- MS Polymer®
- Silane modified polyurethane/ polyether
- RTV-1/RTV-2 silicones
- Butyl rubber

We do not recommend to use VPS SIVO 260 in 1K-PU or 1K-EP formulations. The compatibility of other ingredients with VPS SIVO 260 should be tested in advance.

Key Benefits

VPS SIVO 260 exhibits excellent wetting on substrates and it can form weather- and moisture-resistant bonds to substrates which are partially difficult to adhere. The main benefits of VPS SIVO 260 in silylated polyurethane or MS polymer based adhesives & sealants are:

- Improved adhesion to plastics, especially to polycarbonate
- Improved adhesion to aluminum
- Well-Balanced mechanical properties
- Significant VOC-reduction compared to conventional amino silanes

HANDLING & PROCESSING

Before considering the use of Dynasylan® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website <https://silanes.evonik.com/en> or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

PACKAGING

VPS SIVO 260 is available in 25 kg pails, 200 kg drums and 1.000 kg IBC's.

SHELF LIFE

The shelf life of VPS SIVO 260 is min. 9 months from delivery.

Registration Listings

Registry	Status
Australia (AIC)	Information on Request
Canada (DSL)	Information on Request
China (IECSC)	Information on Request
EU (REACH)	Exempted
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Information on Request
South Korea (KECL)	Information on Request
Philippines (PICCS)	Information on Request
United States of America (TSCA)	Information on Request

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Smart Effects
Rodenbacher Chaussee 4
63457 Hanau
Germany
ask-se@evonik.com
ask-se-asia@evonik.com
ask-se-america@evonik.com
www.evonik.com/smarteffects