

VPS SIVO 260

Modified organofunctional silane oligomer

Technical data

| Properties and test methods | Value | Unit | Method |
|-----------------------------|------------------------------|-------------------|-----------|
| Density (20 °C) | approx. 1.15 | g/cm ³ | DIN 51757 |
| Flash point | > 95 | °C | EN 22719 |
| Viscosity (20 °C) | < = 750 | mPa·s | DIN 53019 |
| Physical form | colorless to light yellowish | - | - |

Registrations

VPS SIVO 260

| | |
|------------------------------|----------|
| EINECS/ELINCS (EU): | Yes |
| AICS (Australia): | * |
| DSL/NDSL (Canada): | * |
| PICCS (Philippines): | * |
| TSCA (USA): | * |
| IECSC (P.R. China): | * |
| ENCS (Japan): | * |
| ECL (South Korea): | * |
| REACH (Europe) | Exempted |
| * = information upon request | |

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 substrates. In addition, VPS SIVO 260 can lead to adequate adhesive cure and it imparts both additional flexibility and hydrophobicity.

Properties and 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.

Our recommendation:

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

Safety and handling

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 after registration on our website www.dynasylan.com or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

Packaging, storage and shelf life

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

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

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