

CHEMOSIL 511

Speciality Bonding Agent for Silicone Rubber and Metals

CHEMOSIL 511 is a one-coat Bonding Agent formulated for bonding of Silicone Rubber to a wide range of metals, plastics and textiles.

An excellent bond is achieved, as well as excellent corrosion, oil and gasoline resistance.

Technical Data

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|-------------------------|---------------------------------|
| Composition | Silane in Ethanol |
| Colour | Transparent |
| Specific Gravity | 0,830 – 0,880 g/cm ³ |
| Flashpoint | 18° C |
| Solid Content | 5 – 7 % by weight |
| Shelf life | 12 months |

Application

CHEMOSIL 511 can be applied by spraying or dipping.

Before applying, it should be diluted 200 – 400 % with toluene or a mixture of toluene and isopropanol.

Important

Remove only as much CHEMOSIL 511 from the original drum as will be consumed during the next shift.

Under no circumstances must unused material be returned to the original container!!!

Generally, vulcanizing conditions (temperature, pressure, duration) recommended by the rubber supplier should be adhered to.

Post-curing can be done at temperatures of to 200° C, but this should be reached gradually, not abruptly.

For instance, 100° C – 120° C – 160° C – 180° C, each for 20 minutes; and then 8 to 10 hours at 200° C.

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Cautionary Information

Before using this or any CHEMOSIL product, refer to the Material Safety Data Sheet (MSDS) and label for safe use and handling instructions. For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

All information is based upon laboratory tests and industrial experience, and is intended for use, at their own risk, by persons having technical skill.

We assume no liability in connection with the use of the product described here in. Values stated in this bulletin represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact CHEMOSIL.

Information provided herein is based upon tests believed to be reliable. Inasmuch our company has no control over the manner in which others may use this information; it does not guarantee the results to be obtained. In addition, our company does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party including but not limited to any product end user. Nor does the company make any express or implied warranty of merchantability, or fitness for a particular purpose concerning the effects or results of such use.

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