Technical Data Sheet



Benzylsilane LS-B6032

Description:

Chemical Name: 3-(N-Styrylmethyl-2-aminoethylamino)-propyltrimethoxysilane hydrochloride; N-[2-(N-Vinylbenzylamino)ethyl]-3-aminopropyltrimethoxysilane Hydrochloride (30-40% in Methanol); Synonyms: N-[3-(Trimethoxysilyl)propyl]-N'-(vinylbenzyl)ethylenediamine monohydrochloride; [(Ethenylphenyl)methyl]-N'-[3-(trimethoxysilyl)propyl]-1,2-ethanediamine monohydrochloride;

This product is a polyfunctional silane that contains a cationic styrene structure and a diamino structure. It exhibits dual reactivity, utilizing both free radicals and amino groups. Compatible with various resin systems, this formulation is a 40% methanol solution. The styrene functional group in this product can undergo polymerization in air at approximately 175°C; therefore, prolonged exposure to this temperature should be avoided.

Molecular Formula: C₁₇H₃₁ClN₂O₃Si Molecular Weight: 374.98



Typical Technical Properties: Appearance: Greenish-Yellow changing to Reddish-Amber with time Density (25°C, g/cm3): 0.905±0.005 Refractive Index (25°C): 1.400±0.005 CAS NO.: 34937-00-3 EINECS NO.: 252-297-3

Flash Point (25°C): 12.8 Boiling Point (°C, Kpa): 65 Purity: 30-40% in Methanol Solubility: Self emulsifying in water, soluble in alcohols

Applications:

1. Used for surface modification of materials such as glass, metals, and ceramics to enhance adhesion, water resistance, and weather resistance.

2. Used as a coupling agent to improve the interfacial bonding between organic polymers and inorganic fillers or reinforcing materials, enhancing the performance of composite materials.

3. Used in electronic packaging materials to enhance mechanical properties and moisture resistance.

Package & Storage:

In 25L Pail, 200L drum. Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened Nanjing Silfluo New Material Co., Ltd. 1/2 Web: www.silfluosilicone.com Email: inquiry@silfluo.com

The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.

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containers.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

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