
SILANE A-2120 (Si-602)

Product Description

Chemical Name: N-(β -aminoethyl)- γ -aminopropylmethyl- dimethoxysilane

CAS NO. : 3069-29-2

Specifications

Appearance	Colorless transparent liquid
Colour(Pt-Co)	≤ 25
Specific Gravity (20°C, g/cm ³)	0.965-0.975
Refractive Index ($n_D^{25^\circ\text{C}}$)	1.4440 -1.4490
Purity (%)	≥ 97.0

Applications

Silane A-2120 may be used as an additive, so eliminating the need for special primers in numerous bonding applications. A-2120 can display a good adhesion in the following system:

RTV Silicones and Hybrid Silane-Crosslinked Sealants

Silane A-2120 addition to one and two-part silicone-crosslinked sealants improves adhesion to a variety of substrates, including glass, aluminum and concrete. Silane A-2120 provides enhanced adhesion performance without negatively impacting elongation. It is added at a loading of 0.5 to 1.0 percent by weight.

Polysulfide Sealants

When added to one- and two-part polysulfide sealants, silane A-2120 provides better adhesion to a variety of substrates, including glass, aluminum and steel. Silane A-2120 is typically used at a loading of 0.5 to 1.0 percent by weight of the sealant. It disperses well into the sealant and produces cohesive failure in the sealant rather

than adhesive failure of the bond between the sealant and the substrate. Furthermore, the use of silane Si-69 can not use primers which enhance the adhesion strength between the coating.

Plastic Sealants

Silane A-2120, as a replacement for polyaminoamide adhesion promoters in plastic sealants, can improve bonding to metal substrates. In addition to increased strength, the silane-modified plastic sealant has better appearance than a system that uses polyaminoamide adhesion promoters. Silane A-2120 modified systems have a very light color, and the cured compound is bubble-free.

Additive in Phenolic and Epoxy Molding Compounds

Silane A-2120, as an additive in phenolic and epoxy molding compounds, reduces the water absorption of molded composites. This, in turn, leads to improved wet electrical properties, particularly at low frequencies.

Packing

25 kg, 200kg plastic or iron drum