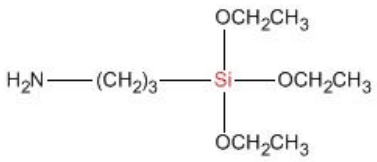
SICOSIL®SICO-A110

3-Aminopropyltriethoxysilane

Chemical structure：



Typical physical properties

Product No.：	SICOSIL®SICO-A110
Chemical name：	3-Aminopropyltriethoxysilane
CAS No.：	919-30-2
EINECS No.：	213-048-4
Formula：	$C_9H_{23}NO_3Si$
Appearance：	Colorless to yellowish transparent liquid
Refractive index($n^{25}D$)：	1.4135~1.4235
Purity：	98%

Applications:

SICOSIL® SICO-A110 is applied in plastic products (including cables, glassfiber-reinforcement plastics etc.), rubber products, adhesives, coatings, pigments dispersion, inks, magnetic materials (plastic magnet and rubber magnet), metallic casting resins and resins concrete, etc.

SICOSIL® SICO-A110 maximizes the physical and electrical properties of mineral-filled phenolics, epoxies, polyamides, polybutylene terephthalate, and a host of other thermoset and thermoplastic composites. Filler wetting and dispersibility in the polymer matrix are also improved.

SICOSIL® SICO-A110 improves adhesion between magnetic powder and organic resins and dispersion of magnetic powder inorganic resins. Also these magnetic appliances attain higher magnetic orientation and excellent magnetic properties, higher mechanical strength, good processability, excellent weathering resistance.

In glass-reinforced thermoset plastics, SICOSIL® SICO-A110 enhances the flexural, compressive, and interlaminar shear strengths before and after exposure to humidity. SICOSIL® SICO-A110 greatly improves wet electrical properties.

With nitrile, polysulfide, epoxy, urethane, and adhesives and sealants, SICOSIL® SICO-A110 improves pigment dispersion and maximizes adhesion to glass, aluminum, and steel.

When SICOSIL® SICO-A110 is used, glass-reinforced thermoplastics, polyamides, polyesters, and polycarbonates exhibit increased flexural and tensile strengths before and after wet exposure.

In glass fiber and mineral wool insulation, as a phenolics resin binder additive, SICOSIL® SICO-A110 imparts

moisture resistance and allows recovery after compression.

In shell molding foundry applications,SICOSIL® SICO-A110 strengthens the bond between the phenolics binder and foundry sand.

In grinding wheels, SICOSIL® SICO-A110 promotes an improved, water-resistant bond between the abrasive grit and phenolics resin binder.

Packing：

210L Iron Drum：200kg/drum

1000L IBC Container: 950kg/container

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