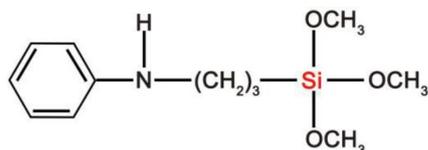


SICOSIL® SICO-A118

n-Phenylaminopropyltrimethoxysilane

Chemical Structure:



Typical Physical Properties

Product No.:	SICOSIL® SICO-A118
Chemical Name:	n-Phenylaminopropyltrimethoxysilane
CAS No.:	3068-76-6
EINECS No.:	221-328-2
Formula:	C ₁₂ H ₂₁ NO ₃ Si
Appearance:	Yellow to reddish brown liquid
Refractive Index(n _{25D}):	1.4960~1.5160
Purity	95%

Applications:

SICOSIL® SICO-A118 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-A118 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-A118 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-A118 enhances the flexural, compressive, and interlaminar shear strengths before and after exposure to humidity. SICOSIL® SICO-A118 greatly improves wet electrical properties.

With nitrile, polysulfide, epoxy, urethane, and adhesives and sealants, SICOSIL® SICO-A118 improves pigment dispersion and maximizes adhesion to glass, aluminum, and steel.

When SICOSIL® SICO-A118 is used, glass-reinforced thermoplastics, polyamides, polyesters, and polycarbonates exhibit increased flexural and tensile strengths before and after wet exposure.

Sico Performance Material (Shandong) Co., Ltd

Address: Jining Chemical Industrial Park, Jinxiang, Shandong, China

Website: www.sicosil.com Email: sales@silanechem.com



In glass fiber and mineral wool insulation, as a phenolics resin binder additive, SICOSIL® SICO-A118 imparts moisture resistance and allows recovery after compression.

In shell molding foundry applications, SICOSIL® SICO-A118 strengthens the bond between the phenolics binder and foundry sand.

In grinding wheels, SICOSIL® SICO-A118 promotes an improved, water-resistant bond between the abrasive grit and phenolics resin binder.

Packing:

210L Iron Drum: 200kg/drum

1000L IBC Container: 1000kg/container

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