

Technical Data Sheet

YK-SI40 Ethyl Silicate-40

Product description

Structural formula:



Molecular formula: N.A

Molecular weight: N.A

CAS No.: 18954-71-7

Chemical Name : Ethyl Silicate-40

Characteristic:

YK-SI40 is a hydrolyzable oligomer, it is a mixture of monomer, dimer, trimer and cyclic polymer. Its average degree of polymerization is 5 siloxane or -Si-O-Si-units.

After complete hydrolysis, the SiO₂ content is 40-42%. The average molecular weight is 750.

Inorganic combination, high UV stability.

Physical and chemical data

Item	Data
Appearance	Colorless transparent liquid
SiO ₂ content	40~42%
Density20°C	1.05g/ml
Refractive index25°C	N.A

Applications:

YK-SI40 silane can be used alone, diluted, or used as a component of formulated products. Used in natural stone or other building materials, it can form silica sol similar to inorganic substance (SiO₂) to enhance the strength of the substrate

YK-SI40 can be polymerized into silicone resin for varnish or other surface modifiers.

YK-SI40 can be used as a sol-gel reaction intermediate. Two-component room temperature vulcanized silicone rubber crosslinking agent. In glass and plastic lens materials, YK-SI40 can provide super hard anti-scratch coating.

Product safety, handling and storage:

After the container is opened, it should be sealed to prevent water vapor from entering to produce hydrolysis.

Stored in the original unopened container at room temperature, this product has a shelf life of one year from the date of production, and expired products are tested

After passing, the buyer decides whether to continue to use it.

Remarks: The company is only responsible for the sales specifications of the products at the time

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of shipment, and is not responsible for any indirect or incidental damages.

Package: 5L,10L,25L,200L,1000L