YAC-OO200

Epoxy oligomer siloxane

CAS No. -

Specifications:

Tests	Specification
Appearance	Colorless or light yellow transparent liquid
Density（25℃）	1.1100-1.2000g/cm^3
Refractive index（$n^{25}D$）	1.4400-1.4600
Epoxy value（mmol/g）	4.50-5.20
Chroma (Pt-Co)	≤300
Viscosity, 25℃, mPa.s	30-59

Package: 200Kg/drum.

Application:

- The gamma-glycidoxy propyl epoxide ring available in YAC-OO200 can react with many different organic functionalities, while the alkoxy silane groups still available on the oligomeric structure typically bond strongly to inorganic substrates. The organophilic epoxy group can undergo a ring-opening reaction with nucleophiles such as alcohols and amines.An acidic or basic catalyst may be required. Examples of suitable inorganic substrates are glass,glass fibers, quartz, cristobalite and metals. It may be used with such polymers as epoxy,phenolic, polyurethanes, polysulfides, PVAC, acrylates.
- The hydrolytic stability of YAC-OO200 can help provide better shelf life than normal monomeric silanes, thus providing better durability in solvent borne systems. Specific hydrolysis conditions can be applied to hydrolyze the material so YAC-OO200 may be considered for use in waterborne systems.

Storage: Keep in a low temperature, ventilated and dry place.

Recommend Shelf Life: 12 months.