Unilong Industry Co., Ltd

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Technical Data Sheet

Product Name: TAIC
CAS: 1025-15-6
Packing: 25kg/drum or 200kg/drum
Product Introduction: TAIC is a pale yellow liquid or crystal at room temperature, with a melting point of 17 to 27 degrees Celsius and a specific gravity of 1.155. It is insoluble in water but soluble in aromatic hydrocarbons, ethanol, acetone, halogenated hydrocarbons, etc. TAIC is a triazine ring multifunctional olefin monomer. It can self-polymerize or undergo homopolymerization and cross-linking with various alkenes, etc. It can undergo various characteristic reactions of aliphatic alkenes. It is stable at room temperature and can be stored stably for a long time.

Chemical composition:

ITEM	KB-0	KB-S
Appearance	Pale yellow liquid	Colorless liquid
Content (%)	≥ 98.5	≥ 99
Acid value(mgKOH/g)	≤ 0.3	≤ 0.3
Melting point(℃)	23-27	23-27
Moisture(%)	≤ 0.1	≤ 0.1
Chroma(APHA)	≤ 30	≤ 30
Proportion(23℃, g/cm^3)	1.14-1.17	1.14-1.17

Application field

TAIC is used as a co-crosslinking agent for thermoplastic plastics such as polyethylene and EVA, as well as for ion exchange resins of acrylic and styrene types.

It is used as a vulcanization aid for special rubbers such as chlorinated polyethylene, ethylene propylene rubber, fluorine rubber, and silicone rubber, and as a modifier for resins such as polyacrylate, unsaturated polyester, epoxy resin, and DAP.

It can enhance the physical and chemical properties such as heat resistance, weather resistance, mechanical strength and processability of these resins, as well as their resistance to chemical corrosion. Intermediates for adhesives between polyester fibers and rubber, as well as for photocuring coatings, photoresists, flame retardants, etc. High-end products are dedicated crosslinking agents for EVA encapsulation films of solar cells and solar cell packs.