安徽景成新材料有限公司
Anhui Kingcham New Materials Co., Ltd.

Curing agent TGIC

Hardener for polyester and acrylic resin carboxyl-containing powder coating.

Composition:

TGIC: 1,3,5-Triglycidyl iso-cyanurate

Typical Properties:

Heat resistant;

Superb weatherability;

Good thermostability;

Cure carboxyl polyester/carboxyl acrylic resin;

Anti-yellowing.

Supplied as:	white powder or granular solid
Solubility:	insoluble in water
Melting point:	90-110°C
Viscosity:	≤100CP（120℃）
Volatile component:	≤1.0%
Epoxy components:	≤110mol/100g
Epichlorohydrin:	≤50ppm
Total chlorine content:	≤1.5%

Storage and Transportation

To be stored and transported at a temperature below 50°C.

Least shelf life: 1 years

Net Weight: 25kg

Storage: polyethylene-lined kraft sack

Special Features and Benefits

Volatility resistant in the curing process.

Recommended Use

TGIC is used for curing agent of polyester and acrylic resin carboxyl-containing powder coating, manufacturing an electrical insulating laminate, adhesives, plastics stabilizers.

It is used also in the printed circuit board industry, electrical insulation and as a stabilizer in plastic industry.

Recommended Levels

The amount of TGIC is 7-8 % of polyester dosage.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The product should be mixed with the resin, hardener, pigments and other additives using a high-speed mixer and extruded along with all components.