

Technical Data Sheet

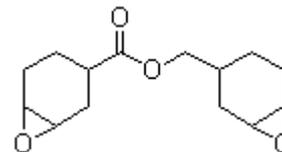
Cycloaliphatic Epoxy Resin TTA21

Chemical Name: 3,4-Epoxycyclohexylmethyl 3,4-Epoxycyclohexane Carboxylate

CAS NO: 2386-87-0

Molecular Weight: 252.31

Molecular Formula: C₁₄H₂₀O₄



Product Description

TTA21 is a general-purpose cycloaliphatic diepoxide used principally with polyacid and anhydride cures. In particular, it provides good electrical loss properties, good weathering and high-heat-distortion temperature.

Specifications

Brand Name	TTA21S	TTA21L	TTA21P
Equivalent to	UVR6110, ERL4221E, CY179	/	UVR6105, CEL2021P
Appearance	Pale Yellow to Colorless Liquid		
Assay	90% min	95% min	97% min
Weight Per Epoxide	128~145	126~135	126~135
Color(Pt-Co)	100 APHA max	50 APHA max	50 APHA max
Viscosity	180~450 cP	220~450 cP	220~450 cP
Water	0.05% max	0.05% max	0.05% max
Acidity	0.1% max	/	/
Total Chlorine	/	/	100 ppm max
Density	1.150-1.180		
Package	200kgs Drum or 1mt IBC Drum		

Applications

- Optical adhesives and photo curing products: such as potting of optoelectronic devices, CD manufacturing, low-viscosity UV-curing printing inks etc.
- Outdoor electrical and electronic products in electrical casting and electronic encapsulation; especially for insulation encapsulation and adhesive bonding and electronic products for those which request high resistance to Cold & Thermal Shock.

- 3、 Outdoor coating and solvent-free coating with better weather resistant than acrylic - polyurethane coating.
- 4、 Active diluent: Good dilution effect without bubbles and exudate, high surface finish, No effect on the basic performance of curing material of epoxy resin, such as curing shrinkage, heat distortion temperature, impact strength and tensile strength.
- 5、 Electrical and electronic products, civil construction, anti-corrosion coatings and other general application of bisphenol A epoxy resin. Widely used in casting, winding, encapsulation, coatings, adhesives and other fields.
- 6、 Polyvinyl chloride polycarbonate stabilizer, oil (Lubricating oil, cylinder oil, transformer oil) additives, etc.

Company Introduction

Founded in 2004, Jiangsu Tetrachem Co., Ltd is one largest cycloaliphatic epoxy resins producers in China. Products range from epoxy resins, intermediates and performance materials.

Sales Contact

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