



常州迈特复合材料有限公司

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Technical Data Sheet

BISPHENOL-A EPOXY VINYL ESTER RESIN (430)

Introduction

430 is a medium-viscosity, non-prepromoted bisphenol-A epoxy vinyl ester resin modified by methyl acrylic acid. An ideal resin to meet high anti-corrosion requests.

It has been applied in a wide range of end-use FRP applications, provides resistance to a wide range of organic and inorganic acids, alkalis, salt solution, oxidizing chemicals, bleaches and organic solvents.

Same anti-corrosion level as Derakane 411 and Swancor 901.

Product Features

*Excellent resistance to chemical corrosion, especially acid, alkalis, salt and organic solvent environment

*Good mechanical properties, low shrinkage

*Application:hand lay up,filament winding,pultrusion,RTM,molded grating,liner making,mix with glass flake,..

Technical Data

Item	Unit	Value	Test Standard
Appearance	/	light yellow transparent liquid	/
Acid Value	KOH mg/g	6-13	GB2895
Viscosity(25°C)	MPa.S	300-500	GB7193
Gel Time	munites	10-20	GB7193
Non-Volatile	%	55-60	GB7193
Thermal Stability(80°C)	h	≥24	GB7193

Gel Time:

Promoter: Nap-Co(cobalt naphthenate) or Is-Co(cobalt iso-octoate)

Co content:6%

Curing agent: MEKP (methylethylketone peroxide)

Effective oxygen content:10%

Indexes of Resin Casting Substance

Item	Unit	Value	Test Standard
Barcol hardness	barcol	36-40	GB3854
Tensile strength	MPa	75-85	GB2567
Elongation at break	%	6-8	GB2567
Flexural strength	MPa	115-145	GB2567
Impact strength	KJ/m ²	8.7	GB2567
H.D.T	°C	115-125	GB1634.2
Experiment Temperature: 23±2°C Relative humidity: 50±5%			

Package

Weight/drum (kg)	Drums/pallet	Quantity per 20'container	Quantity per 40'container
200	4	80drums = 16,000kg	120drums = 24,000kg

Storage

Shelf Time: 6 months (below 20°C environment)

Storage: 430 resin been suggested to be stocked in ventilated place, avoids direct sunlight, heat and fire.

Note:The data were tested according to GB standard. Influenced by many factors in the process of fabrication, necessary researches by user are not exclusive.

Legally, no warranties for some performances of product are applicable to one specific use and the rights to amend the materials are reserved.