

## 9201A/B EPOXY RESIN CURING SYSTEM TECHNICAL DATA SHEET

### Description

9201A/B has low mixing viscosity, excellent fiber wettability, long gel time and operable time, low exothermic peak, and excellent comprehensive mechanical properties after curing.

Typical Performance		Indicator Range	Unit	Reference Standards
<b>Conventional Physical and Chemical Indicators</b>				
9201A	Appearance	Colorless to light yellow transparent liquid	/	/
	Epoxy Equivalent	170-185	g/mol	ISO 3001-1999
	Viscosity, 25° C	800-1500	mPa.s	ISO 2555-2000
	Specific gravity, 23° C	1.12-1.16	g/cm <sup>3</sup>	ISO 1675-1998
9201B	Appearance	Light blue to blue transparent liquid	/	/
	Amine value	400-600	mgKOH/g	ISO 9702
	Viscosity, 25° C	10-80	mPa.s	ISO 2555-2000
	Specific gravity, 23° C	0.93-0.98	g/cm <sup>3</sup>	ISO 1675-1998
<b>Mechanical properties</b>				
Tensile strength (breaking), 5mm/min		≥ 65	MPa	ISO 527-1
Percentage of Breaking Elongation		≥ 3.0	%	ISO 527-1,2
Tensile modulus, 5mm/min		≥ 2700	MPa	ISO 527-1,2
Bending Strength		≥ 105	MPa	ISO 178
Bending modulus, 5mm/min		≥ 2700	MPa	ISO 178
Glass Transition Temperature (Tg)		≥ 78	° C	ISO 6721-3
Water absorbency (28 days), 50*50*4mm <sup>3</sup>		<65	mg	ISO 62
volume shrinkage		≤ 5.5	%	ISO 3521
Heat distortion temperature		≥ 70	° C	ISO 75-1,2

## Use ratio

9201A/B mixing proportion (weight ratio)	100:30-33, recommended ratio: 100:32
Curing molding conditions	50° C/3h +80° C/7h
Operating time	100g/25°C>240 min , 100g/40°C>120 min

## Precautions

9201A epoxy resin is supplied in 20kg, 220kg steel drums or IBC and other agreed packaging forms; 9201B curing agent is supplied in 20kg plastic drums, 200kg steel drums or IBC packaging.

Both epoxy resin and curing agent need to be stored in a ventilated, dry, and cool place, away from high-temperature fire sources, and away from sunlight. The storage environment temperature should be 10-40° C. The shelf life of epoxy resin is 2 years and that of curing agent is 1 year.

The curing process should be carried out in strict accordance with the operating procedures to ensure the final quality of the product.

Epoxy resin is a non-dangerous product and can be disposed of as normal items.

Labor protection equipment must be worn before operation. If the skin is contaminated, rinse it immediately with warm water and soap or clean it with organic solvents such as ethanol and acetone. This product is strictly prohibited to be swallowed.

When processing, using, and disposing of this product, the relevant safety and health laws and regulations of the country and region should be observed.

## Disclaimer

This information and recommendations contained herein are based upon our date believed to be correct, However, since the condition of use are beyond our control, no guarantee or warranty of any kind of expressed or implied is made with respect to the information contained herein.

