

ANCAMINE[®] 2921

Curing Agent

DESCRIPTION

Ancamine 2921 is an amine based curing agent. It is designed to cure with epoxy resins at elevated temperatures to reach full mechanical properties.

Good balance of pot life and cure speed make Ancamine 2921 the ideal curing agent for applications like rotor blades or tooling.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear colourless liquid		
Colour	0	Gardner	ASTM D 1544-80
Viscosity @ 25°C	10-15	mPa.s	Brookfield RVT, Spindle 4
Amine Value	524	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.93	g/ml	
Equivalent	54	Wt/{H}	
Recommended use Level	29	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Excellent mechanical properties
- Good balance of pot life and cure speed
- Low viscosity

APPLICATIONS

- Composites (i.e Liquid infusion systems, filament winding)
- Adhesives
- Potting and casting

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2921 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Gel Time (150g mix @ 25°C)	250	min	Techne GT-3 Gelation Timer
Peak Exotherm (150g mix at 25°C)	32	°C	
Tg	85	°C	

TYPICAL CURE SCHEDULE

(i) 24h at ambient + 15h @ 60°C

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Following cure schedule (i) (EEW=186)			
Tensile Strength	73	MPa	ISO 527
Tensile Modulus	3.1	GPa	ISO 527
Tensile Elongation at Break	6.5	%	ISO 527
Flexural Strength	88	MPa	ISO 178
Flexural Modulus	3.1	GPa	ISO 178
Flexural Elongation at Break	9.3	%	ISO 178

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