

# ANCAMINE® 2914UF

## Curing Agent

### DESCRIPTION

Ancamine® 2914UF is an epoxy curing agent designed to achieve an ultra-fast cure speed at room temperature in adhesive applications. The combination of ultra-fast set time and rapid property development allows end users to improve the production throughput.

### TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Pale Yellow liquid		
Colour	≤ 5	Gardner	ASTM D 1544
Viscosity @ 25 °C	300-2,000	mPa.s	Brookfield RVTD, spindle 27
Tg	65	°C	By DSC-Isothermal Cure 75C-2h
Specific Gravity @ 25 °C	1.08		
Equivalent	95	Wt/{H}	
Recommended Use Level	50	phr	With bisphenol-A based epoxy resin (EEW=190)
Gel time (25°C-20g)	8	min	With bisphenol-A based epoxy resin (EEW=190)

### ADVANTAGES

- Ultra-fast cure speed
- Excellent adhesion
- Excellent mechanical properties
- Low viscosity

### APPLICATIONS

- Structural and general purpose adhesive
- Potting and encapsulation

### SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2914UF curing agent.

## TYPICAL CURE SCHEDULE

Room temperature cure 1 hour-7 days

## MECHANICAL PERFORMANCE (CAST PANELS)

Property	Value	Unit	Method
Tensile Strength	64	MPa	ASTM D638
Tensile Modulus	3.4	GPa	
Elongation at Break	2.5	%	
Flexural Strength	109	MPa	ASTM D790
Flexural Modulus	2.9	GPa	
Lap Shear Strength	75 mins (RT)		ASTM D1002
Substrate › Cold Roll Steel B952.	4.9	MPa	
Glass bead 250 micron	24 hr (RT)		
	8.0	MPa	ASTM D1002

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