

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.

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

TYPICAL PROPERTIES

Appearance	Pale Yellow liquid
Color¹ (Gardner)	≤5
Viscosity² @ 25 °C (mPa.s)	300-2,000
Tg³	65 °C
Specific Gravity @ 25°C	1.08
Equivalent Wt/{H}	95
Recommended Use Level⁴ (PHR)	50
Gel time (25°C-20g)	8 min ⁵ ; 5 min ⁶

MECHANICAL PERFORMANCE (CAST PANELS)

	Resin 1	Resin 2
Tensile Strength (ASTM D638 in psi)	9,300	—
Tensile Modulus (in ksi)	492	—
Elongation at Break (%)	2.5	—
Flexural Strength (ASTM D790 in psi)	15,753	—
Flexural Modulus (in ksi)	427	—
	75 mins (RT)	
Lap Shear Strength (ASTM D1002 in psi)	705	898
Substrate > Cold Roll Steel B952.	24 hr (RT)	
Glass bead 250 micron	1,167	1,345

Footnotes:

- (1) ASTM D 1544
- (2) Brookfield RVTD, spindle 27
- (3) By DSC-Isothermal Cure 75C-2h
- (4) With bisphenol-A based epoxy resin (EEW=190)
- (5) Resin 1 – EEW =190
- (6) Resin 2 – EEW 190 +TMPTA + Lauryl acrylate (88:7:5)

Epoxy Curing Agents and Modifiers

ANCAMINE® 2914UF Curing Agent

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