

ANCAMINE[®] 1483**Curing Agent****DESCRIPTION**

Ancamine 1483 curing agent is an aliphatic amine adduct for room temperature curing of liquid epoxy resins. It is especially suitable for use in the preparation of laminates and small castings where rigidity and high physical strength are required.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Pale amber liquid	
Colour	3	Gardner
Viscosity @ 77°F / 25°C	6,000	cP
Amine Value	840	mg KOH/g
Specific Gravity @ 77°F / 25°C	1.09	
Density @ 77°F (25°C)	9.1	lb/gal
Flash Point	169	°F
Equivalent	44	Wt/{H}
Recommended use Level	25	PHR, EEW=190

ADVANTAGES

- Rigidity and high physical strength
- Fast cure speed

APPLICATIONS

- Laminates and small castings
- Gel coats
- Patch repair kits
- Coal tar epoxy coatings

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 1483 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit
Gel Time (150g mix @ 25°C)	24	min
Thin Film Set Time @ 77°F (25°C)	4.0	hr
Peak Exotherm [100g mix @ 77°F(25°C)]	330	°F
Peak Exotherm Time	31	min

TYPICAL CURE SCHEDULE

2-7 days at ambient temperature.
Gel at ambient temperature plus 2 hours at 212°F (100°C)

THERMAL PERFORMANCE*

Property	Value	Unit
[7 day cure @ 77°F (25°C)]		
Heat Deflection Temp (ASTM D648-264 psi)	136	°F
Flexural Strength	14,900	psi
Tensile Strength	10,440	psi
Tensile Modulus	510	thousand psi
Elongation	2.4	%
Compressive Strength	14,900	psi
Compressive Modulus	580	thousand psi
Barcol Hardness	80	Model GYZJ-935

* Ancamine 1483 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.



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