

**ANCAMINE® K61B** Curing Agent**DESCRIPTION**

Ancamine K61B curing agent is tris-(dimethylaminomethyl) phenol tri(2-ethyl hexoate)-an amine salt catalyst based on Ancamine K54 curing agent. It provides a longer pot life, lower exotherm and lower shrinkage than Ancamine K54 curing agent. Designed for use up to 80°C.

**ADVANTAGES**

- High strength
- Modulus and electrical resistance
- Good thermal shock
- Good humidity resistance

**APPLICATIONS**

- Electrical castings
- Potting
- Encapsulation
- Wet lay-up laminate systems

**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 K61B curing agent.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Amber liquid
<b>Colour<sup>1</sup> (Gardner)</b>	<12
<b>Viscosity<sup>2</sup> @ 25°C [mPa.s]</b>	700
<b>Amine Value<sup>3</sup> [mg KOH/g]</b>	235-248
<b>Specific Gravity @ 21°C, [g/ml]</b>	0.97
<b>Flash Point (closed cup), °C</b>	166
<b>Recommended use Level<sup>4</sup>, [PHR]</b>	10-12

**TYPICAL HANDLING PROPERTIES (4 PHR)**

<b>Gel Time<sup>5</sup> (150g mix at 65°C), [mins]</b>	35
<b>Typical cure schedule</b>	1 h @ 100°C
	2 h @ 80°C
	4 h @ 60°C

**TYPICAL PERFORMANCE PROPERTIES**

<b>Heat Distortion Temperature (2h @ 80°C)<sup>6</sup>, [°C]</b>	77
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Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, Spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW=190)
- (5) Techne GT-3 Gelation Timer
- (6) ASTM D648

Epoxy Curing Agents and Modifiers

# ANCAMINE® K61B Curing Agent

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