

Product information

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.

TYPICAL PROPERTIES

| Property | Value | Unit | Method |
|--------------------------|--------------|----------|---|
| Appearance | Amber liquid | | |
| Colour | < 12 | Gardner | ASTM D 1544-80 |
| Viscosity @ 25°C | 700 | mPa.s | Brookfield RVTD, Spindle 4 |
| Amine Value | 235-248 | mg KOH/g | Perchloric Acid Titration |
| Specific Gravity @ 21°C | 0.97 | g/ml | |
| Flash Point (closed cup) | 166 | °C | |
| Recommended use Level | 10-12 | PHR | With Bisphenol A diglycidyl ether (EEW=190) |

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 36 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 HANDLING PROPERTIES (4 PHR)

| Property | Value | Unit | Method |
|-----------------------------|-------------|------|----------------------------|
| Gel Time (150g mix at 65°C) | 35 | mins | Techne GT-3 Gelation Timer |
| Typical cure schedule | 1 h @ 100°C | | |
| | 2 h @ 80°C | | |
| | 4 h @ 60°C | | |

TYPICAL PERFORMANCE PROPERTIES

| Property | Value | Unit | Method |
|---|-------|------|-----------|
| Heat Distortion Temperature (2h @ 80°C) | 77 | °C | ASTM D648 |

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