

ANCAMINE[®] 2578**Curing Agent****DESCRIPTION**

Ancamine 2578 curing agent is a modified aliphatic polyamine adduct intended for use as a low temperature curing agent for liquid epoxy resin. The product exhibits fast cure under adverse conditions of high humidity and low temperature, and will cure at temperatures as low as 0°C

TYPICAL PROPERTIES

| Property | Value | Unit | Method |
|--------------------------|--------------------|----------|---|
| Appearance | Pale yellow liquid | | |
| Colour | 5 | Gardner | ASTM D 1544-80 |
| Viscosity @ 25°C | 2000-3000 | mPa.s | Brookfield RVTD, Spindle 4 |
| Solids Content | 58-62 | % | |
| Amine Value | 250-270 | mg KOH/g | Perchloric Acid Titration |
| Specific Gravity @ 21°C | 1.01 | | |
| Flash Point (closed cup) | 23 | °C | |
| Equivalent | 175 | Wt/{H} | |
| Recommended use Level | 90-95 | PHR | With Bisphenol A diglycidyl ether (EEW=190) |

ADVANTAGES

- Good low temperature cures
- High gloss, low blush when cured under adverse conditions

APPLICATIONS

- Marine Coatings
- Industrial Maintenance

SHELF LIFE

At least 12 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 2578 curing agent.

TYPICAL HANDLING PROPERTIES

| Property | Value | Unit | Method |
|-----------------------------------|----------|-------|---------------------------------|
| Mixed Viscosity at 25°C | nd | mPa.s | Brookfield RVTD, Spindle 4 |
| Gel Time (150g mix at 25°C), | 65-75 | mins | Techne GT-3 Gelation Timer |
| Thin Film Set Time @ 25°C | 1.5/3.0 | h | BK Drying Recorder Phase II/III |
| Thin Film Set Time @ 5°C | 6.5/10.5 | h | BK Drying Recorder Phase II/III |
| Perzoz Hardness at 25°C (14 days) | 290 | | |
| Perzoz Hardness at 5°C (14 days) | 170 | | |
| Specular Gloss at 25°C (14 days) | 130 | | |
| Specular Gloss at 5°C (14 days) | 120 | | |
| Typical cure schedule | 2-7 | days | |

TYPICAL PERFORMANCE PROPERTIES

| Property | Value | Unit | Method |
|------------------|-------|------|-----------------------|
| Carbamation Test | 5 | | Scale 1-5 (5 is best) |

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