

**ANCAMINE® 2609** Curing Agent**DESCRIPTION**

Ancamine® 2609 curing agent is a nonyl phenol free aliphatic polyamine Mannich base curing agent designed for use with liquid epoxy resin. It is of low viscosity, extremely moisture tolerant and highly reactive at low temperatures ~5°C. Ancamine® 2609 will react with liquid epoxy resins at low temperature and high humidity to produce a highly chemical resistant surface coating.

**ADVANTAGES**

- Moisture tolerant
- Fast cure
- Low temperature cure
- Excellent chemical resistance
- Nonyl phenol free

**APPLICATIONS**

- Protective coatings
- Industrial applications
- Moisture tolerant coatings
- Potable water & food contact 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. Do not freeze.

**STORAGE AND HANDLING**

Refer to the Safety Data Sheet for Ancamine 2609 curing agent.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Clear straw-coloured liquid
<b>Colour<sup>1</sup> (Gardner)</b>	3
<b>Viscosity<sup>2</sup> @ 25°C [mPa.s]</b>	350
<b>Amine Value<sup>3</sup> [mg KOH/g]</b>	400
<b>Specific Gravity @ 21°C, [g/ml]</b>	1.01
<b>Equivalent Wt/{H}</b>	75
<b>Recommended use Level<sup>4</sup>, [PHR]</b>	40

**TYPICAL HANDLING PROPERTIES [@40PHR]**

<b>Mixed Viscosity at 25°C, [mPa.s]</b>	1,750
<b>Gel Time<sup>5</sup> (150g mix at 25°C), [mins]</b>	15
<b>Thin Film Set Time<sup>6</sup> @ 25°C, [h]</b>	2

**TYPICAL PERFORMANCE PROPERTIES**

<b>Tensile Strength<sup>7</sup>, [MPa]</b>	46
<b>Tensile Modulus<sup>7</sup>, [GPa]</b>	7.6
<b>Tensile Elongation at Break [%]</b>	0.7
<b>Flexural Strength<sup>8</sup>, [MPa]</b>	74
<b>Flexural Modulus<sup>8</sup>, [GPa]</b>	3.6

Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, Spindle 4
- (3) Perchloric Acid Titration
- (4) Theoretical value with Bisphenol A diglycidyl ether (EEW=190)
- (5) Techne GT-3 Gelation Timer
- (6) BK Drying Recorder Phase III
- (7) ISO 527
- (8) ISO 178

Epoxy Curing Agents and Modifiers

# ANCAMINE® 2609 Curing Agent

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