

Product information

ANCAMINE[®] 2765

Curing Agent

DESCRIPTION

Ancamine 2765 Curing Agent is an aliphatic amine adduct. When used with liquid epoxy resins in a coating formulation, it provides very good solvent and alcohol resistance. It also imparts good mechanical properties.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear, Straw-Colored Liquid		
Colour	≤ 6	Gardner	ASTM D 1544-80
Viscosity @ 25°C	800-1550	mPa.s	Brookfield, Spindle 4
Amine Value	820-980	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.08		
Equivalent Wt/{H}	44		
Recommended use Level	20	PHR	With bisphenol-A based epoxy resin (EEW=ca. 190)

ADVANTAGES

- Fast cure speed
- Good chemical resistance
- Good hot water resistance
- Compatible with multifunctional resins

APPLICATIONS

- Solvent-free coatings
- Laminates
- Adhesives
- Accelerator for other curing agents

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.

PACKAGING AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2765 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Gel Time @ 25°C	15	mins	Techne GT-3 Gelation Timer, 150 g mix
Thin Film Set Time 25°C	4	h	ASTM D 5895 - BK Drying Recorder, Phase 3
Typical cure schedule	2-7	days	at ambient temperature
			Gel at ambient temperature plus 2 h at 100°C

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Unit	Method
Gloss7 20°/60°, 23°C	65/95	MPa	ISO 2813
Glass Transition Temperature	57	°C; 7d @ 23°C	Differential Scanning Calorimetry (DSC)
Maximum Tg	113	°C; with post-cure	Differential Scanning Calorimetry (DSC)
Bond Strength (mild steel to mild steel)	1350	psi	

*With bisphenol-A based epoxy resin (EEW=ca. 190)

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