

Technicure™ EMI-24CN

Description:

EMI-24CN is commonly used as a sole curing agent or as a dicy and anhydride cure accelerator in epoxy resin based formulations. Typical loading level as a sole curing agent is about 4-6 phr and as a dicy and anhydride cure accelerator is about 0.5 – 1.5 phr. EMI-24CN provides good compatibility with liquid epoxy resins and 2-3 days of formulation shelf stability at ambient temperature.

Advantages:

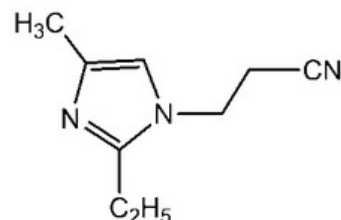
- Rapid reactivity at temperature <120°C with 2-3 days latency
- High glass transition temperature
- High chemical resistance

Typical Applications:

- One-component impact resistant adhesives for auto, aerospace and electronics applications
- Composites such as pre-pregs and filament winding
- Electrical potting and encapsulation
- Neutralizer for acid stabilizers in diazo copying compounds as well as in printing systems for acrylic fabrics with cationic dyes

Handling Precautions:

Refer to the product Safety Data Sheet



1-(2-cyanoethyl)-2-ethyl-4-methylimidazole

Typical Properties:

Appearance:	Amber to brownish liquid
Viscosity:	200 cps min.
Gardner color:	<16
Moisture content:	<0.5%
Assay by GC:	85% min.
EMI-24 content:	4.0% max.
Methanol content:	2.0% max.
Free acrylonitrile (GC/MS):	500 ppm max.

Recommended use level with Epoxy resin (EEW=190):	4-6 PHR
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Typical Performance:

Gel time @ 100°C:	15 minutes
Gel time @ 150°C:	1.5 minutes
Latency at 25°C:	3 days
HDT:	161°C

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