

CUREZOL® 2MZ-AZINE 10 μ m Curing Agent**DESCRIPTION**

Curezol® 2MZ-Azine 10 μ m is a micronised solid modified imidazole designed for use as a latent curing agent/curing accelerator for epoxy resins. When used as sole curing agent it displays long pot lives. When used as a cure accelerator for anhydrides and dicyandiamide the excellent electrical, mechanical and chemical resistance properties produced make the product of use in the formulation of structural adhesives, solder resist inks and insulating paints and powders.

ADVANTAGES

- Long latency
- High heat distortion temperature

APPLICATIONS

- Standard adhesives
- Solder resistant inks
- Pre-pregs

SHELF LIFE

At least 36 months from the date of manufacture in the original sealed container at ambient temperature.

PACKAGING AND HANDLING

Refer to the Safety Data Sheet for Curezol® 2MZ-Azine 10 μ m curing agent.

TYPICAL PROPERTIES

| | |
|---|-------------------------|
| Appearance | White Micronized Powder |
| Melting Point, [°C] | 248-258 |
| Purity, [%] | 97.0 |
| Molecular Weight, [g/mol] | 219 |
| Recommended use Level¹, [PHR] | 6-8 |

TYPICAL HANDLING PROPERTIES (7 PHR)

| | |
|---|------------------------|
| Gel Time² | |
| (200g mix at 25°C), [days] | 45 |
| (200g mix at 70°C), [min] | 600 |
| (200g mix at 100°C), [min] | 30 |
| DSC Activation Temperature 3, [°C] | 145 |
| Typical cure schedule | 2h @ 80°C + 4h @ 150°C |

TYPICAL PERFORMANCE PROPERTIES⁴

| | |
|--|-----|
| Heat Distortion Temperature 5, [°C] | 156 |
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Footnotes:

- (1) With Bisphenol A diglycidyl ether (EEW=190)
- (2) Techne GT-3 Gelation Timer
- (3) Heating rate 10°C/min
- (4) 2 h @ 80°C plus 4 h @ 150°C
- (5) ASTM D648



Epoxy Curing Agents and Modifiers

CUREZOL® 2MZ-AZINE 10 μ m Curing Agent

EVONIK RESOURCE EFFICIENCY GMBH

Business Line Crosslinkers
Paul-Baumann-Straße 1
45764 Marl
Germany

apcsepx@evonik.com
www.evonik.com/crosslinkers

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