

Technicure NanoDicy

Founded in 2003, GenieChem was created with the sole purpose of addressing the needs of the plastics industry supplying speciality process aids and release agents.

As the business has grown and expanded over recent years, we have diversified into many different industries but still try to focus on speciality products.

Our focus is to work with our customers openly, honestly and closely to help make their business successful.

Technicure® NanoDicy is our finest grade of Dicyandiamide available. Due to its extremely fine particle size (1-2 microns), Technicure NanoDicy will react more fully into epoxy systems and flow through the fabric weave (where reinforcement is used), allowing a faster cure without sacrificing pot life.

To inhibit clumping and improve flow, >1% fumed silica is used. Typically used with epoxy resins (EEW 190) between 6-8phr, the reactivity of dicyandiamide increases inversely proportional to the particle size.

Typical Properties:

- Appearance: White to Off-White Powder
- Average Particle Size: 1-2 micron
- (90%) <5 micron
- Melting Point: 207-211C
- Moisture Content, Max: 0.5%
- Assay: >99%
- Equivalent Weight/H: 21

Advantages:

- Long Pot Life with epoxy resins
- Improved dispersion
- More reactive compared to larger particle size Dicy
- High Tg's
- Excellent Adhesion to a variety of substrates
- Used in Powder Coatings, Prepregs as well as Adhesives

