

BCA Dicy 44 - 44 Micron Dicyandiamide

DESCRIPTION:

BCA Dicy 44 is a pulverized grade of dicyandiamide with an average particle size of about 20 micron. The products contains fumed silica to prevent clumping and improve flow. Typically the product is used with epoxy resin between 3-8 phr. Due to larger particle size, the products offers lower exothermic heat than the finer grade of Dicy. BCA Dicy 44 reacts with epoxy resin at temperatures higher than 170°C unless an accelerator is used. Suggested accelerators include BCA I80 Adduct, BCA I100 Adduct and substituted ureas such as BCA MDU, BCA PDU and BCA TDU. The type and loading level of an accelerator will provide excellent balance of low temperature reactivity and formulation shelf stability.

ADVANTAGES:

- Long Formulation Shelf Stability
- High Glass Transition Temp.
- Can be used with an Accelerator
- Excellent Adhesion to a Variety of Substrates

APPLICATIONS:

- One-Component Adhesives for Auto, Aerospace and Electronics Applications
- Composites such as Prepregs
- Powder Coatings

STORAGE LIFE:

This product has a shelf life of two years from the date of manufacture when stored at ambient temperature in the original unopened container.

HANDLING PRECAUTIONS:

Please refer to the BCA Dicy 44 Safety Data Sheet.

TYPICAL PROPERTIES	
Appearance	White Micronized Powder
Assay (min %)	99
Average Particle Size	< 20 micron 90% < 44 micron
Melting Point (°C)	207 - 211
Moisture Content (% max.)	0.5
Mix Ratio with Std. Epoxy Resin	3 - 8 PHR