

BCA IDH - Isophthalic Dihydrazide

DESCRIPTION:

BCA IDH is a benzyl backboned dihydrazide, is commonly used as a curing agent for epoxy resins in one-component formulations. BCA IDH provides cure above 160°C, high glass transition temperature, and high acid resistance. BCA IDH can be used with accelerators to increase reactivity at lower temperatures. Some suggested accelerators for IDH include BCA I80 Adduct, substituted ureas like BCA PDU, BCA TDU, and BCA MDU. These accelerators lower the activation temperature of BCA IDH without any adverse impact on performance properties.

BCA IDH is approved by the FDA for indirect food contact under 21 CFR Chapter 175.300

Jet milled grade of Technicure® IDH is available as BCA IDH –J.

ADVANTAGES:

- High Glass Transition Temp.
- High Acid Resistance
- Good Toughness

APPLICATIONS:

- One-Component Adhesives
- Hot-Melt Prepregs

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 IDH Safety Data Sheet.

TYPICAL PROPERTIES	
<i>Appearance</i>	<i>White Powder</i>
<i>Assay</i>	<i>97%</i>
<i>Molecular Weight</i>	<i>194.5</i>
<i>Melting Point (°C)</i>	<i>220 - 230</i>
<i>Moisture Content (% max.)</i>	<i>0.5</i>
<i>Mix Ratio with Std. Epoxy Resin</i>	<i>26 PHR</i>