

Description

HTV-1000 is a high-temperature, high-strength, and high-modulus polyimide resin system. It is designed for use in applications requiring excellent thermal stability, mechanical strength, and electrical insulation properties. The resin is compatible with a wide range of fillers and is suitable for casting, molding, and coating applications.

Feature

High Thermal Stability: HTV-1000 exhibits excellent thermal stability, maintaining its mechanical and electrical properties up to 300°C. It is suitable for applications requiring long-term performance in high-temperature environments.

High Mechanical Strength: The resin system provides high tensile strength and modulus, making it ideal for structural applications. It also exhibits excellent impact resistance and dimensional stability.

Excellent Electrical Insulation: HTV-1000 offers outstanding electrical insulation properties, including high volume resistivity and low dielectric loss. It is suitable for use in high-voltage and high-frequency applications.

Good Processability: The resin system is easy to process, allowing for casting, molding, and coating. It is compatible with a wide range of fillers and is suitable for use in a variety of manufacturing processes.

Excellent Adhesion: HTV-1000 exhibits excellent adhesion to a wide range of substrates, including metals, ceramics, and polymers. This makes it suitable for use in applications requiring strong bonding and adhesion.

Wide Temperature Range: The resin system is suitable for use in applications requiring performance over a wide temperature range, from -50°C to 300°C. It maintains its properties throughout this range.

Excellent Chemical Resistance: HTV-1000 exhibits excellent resistance to a wide range of chemicals, including acids, bases, and solvents. This makes it suitable for use in harsh chemical environments.

High Modulus: The resin system provides high modulus, making it ideal for applications requiring high stiffness and dimensional stability. It is suitable for use in structural and mechanical applications.

Wide Application

