



Polyimide Resin Powder

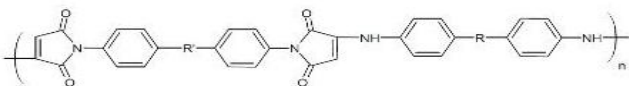
Polyimide Resin Powder is synthetic polymerized resin, and smashed into fine powder by airflow. It has excellent heat stability, mechanical and dielectric strength, radiation and chemical resistance, etc., widely used from automotive industry and aerospace to industrial applications and office machines.

Characters:

- * Excellent heat resistance. Excellent dielectric performance.
- * Higher mechanical strength, better tear resistance and flexibility. *Machinable with standard tools
- * Low wear and friction * Good compatibility with fillers

Product type: PIR-003 BMI-based polyimide

Base structure:



Application: matrix resin for reinforcement prepreg of fibers(carbon, glass, etc.), mixture with epoxy for heat resistance, membrane, etc. Before use, dissolve in DMF, etc. for a certain solid content solution.

Properties:

Visual/Solubility	Fine yellow powder/soluble in DMF, NMP, etc.
Purity%	Over 98.5
Gravity	1.32g/cm ³
Gelling time(170°C)	200--500s
Curing temperature(°C)/Pressure(MPa)	220-230/30-60
Softening temperature (°C)	90-120
Martin temperature (°C)	260
TGA260 (°C) 24hr/300 (°C) 24hr	Less 1.5% (mainly moisture loss)
Tg (°C)	330
Tensile strength(MPa)	113.4
Elongation%	Over 5%
Surface resistivityΩ	1 x 10 ¹⁵
Dielectric constant	3.5

Packing: carton after sealed by plastic film bag Shelf life: 2 Years

Note: 1. Since polyimide resins are hygroscopic, please predried at 250 °F (120 °C) for a couple of hours before any use

2. All of above information is based on our best knowledge, not read as guarantees. Right reserved for corrections.

3. Please contact us if customization requirements.

Contact information:

Company: WJF Chemicals Co. Ltd. QuZhou (website: <http://www.wjfchemicals.com>)

Address: 601 ZhongXing Plaza No. 123 HeHua ZhongLu QuZhou ZheJiang Province China

Email: info@wjfchemicals.com Tel./Fax: +865703865831 Mob.: +8613059765326