

Thermosetting polyimide resin “IMIDALLOY” KIR-30

“IMIDALLOY” KIR-30 is best suitable binder for Diamond grind wheel, Friction materials, etc.

Strong Points

- 1) Excellent Heat resistance
- 2) Excellent Adhesion property
- 3) Excellent Moldability
- 4) Environmental friendly

“IMIDALLOY” have Excellent Heat resistance and Excellent Adhesion property to organic material. We have a lot of sales performance in the grind wheel purpose.



Particle distribution

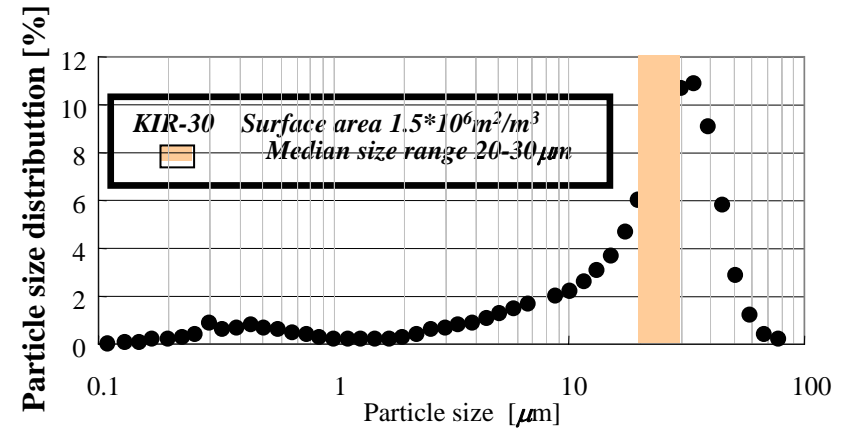


Figure: Particle size and surface area of “IMIDALLOY”

Properties

General properties of “IMIDALLOY” KIR-30

Items	Unit	KIR-30
Apparent density	g/ml	0.3-0.45
Softing Point	°C	105-125
Gel time (200 °C)	S	60-120
Specific gravity	---	1.3-1.4
Heat-decomposition initiation temp.	°C	340-350
Median size	μm	20-30
90% particle size	μm	40-50
Surface area	10 ⁶ m ² /m ³	1.0-1.5

Thermal analysis

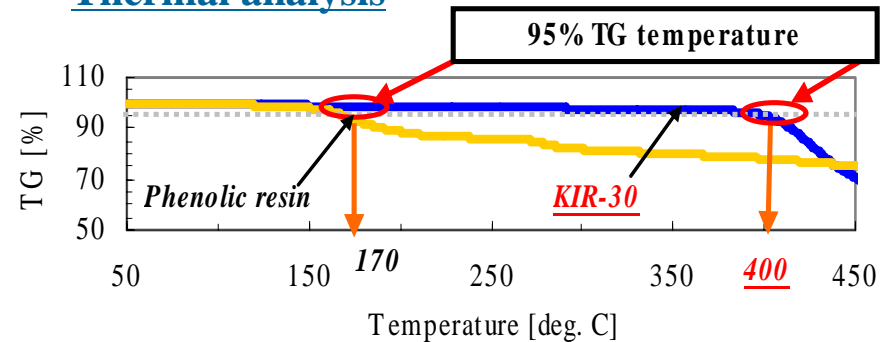


Figure: TG decomposition profile of “IMIDALLOY” vs. General phenolic resin.