

**Technical Data Sheet**  
**Electronic and Engineering Materials**

**RanVar B2-206 (53842GR) Epoxy Resin**  
**B2-206(53842GR) Hardener**

Two Component Room Temperature Cure Epoxy Resin Kit

A member of  **ALTANA**

**Description**

B2-206 Epoxy Resin Kit is a liquid 100% solids two component room temperature cure epoxy resin system. The cure can be accelerated with moderate heat. The epoxy resin is a medium viscosity clear liquid. Hardener is a low viscosity amber liquid.

**Uses**

- High Temperature epoxy resin system for impregnating and sealing electrical motor windings.
- Coil Potting

**Cured Properties**

Hard durable protective epoxy system with chemical and temperature resistance.

**Recommended Cure**

72 Hr. @ 25°C (77°F) – OR –  
Allow to gel then  
2 Hr. @ 80°C (176°F) – OR –  
24 Hrs @ 25°C (77°F) +  
2 hours @ 66°C (150°F)

**Features and Benefits**

- Room temperature cure
- Low mixed viscosity
- 100% solids
- High Temperature resistant

**Application Methods**

- Pour Through
- Trickle

**Transportation/Storage/Shelf Life**

This resin and hardener should be stored at 25°C (77°F) in a dry controlled environment out of direct sunlight. These materials should be suitable for use stored under these conditions in the original sealed containers for twelve (12) months from the date of shipment. Failure to store this product as recommended above may lead to deterioration in product performance and invalidate shelf life. The resin portion may crystallize during storage see TI-4000 for information.

**Properties of Material Supplied**

<b>Test</b>	<b>Value</b>		<b>Units</b>
	<b>Resin</b>	<b>Hardener</b>	
Viscosity - 25°C (77°F) (ASTM D2196)	4000 – 8000	100 – 200	cP
Weight per gallon @ 25°C (77°F) (ASTM D1475), typical	9.5 – 9.8	8.3 – 8.5	Pounds
Flash Point (ASTM D93), typical	>93(199)	94(201)	C°(°F)
Mix ratio parts by weight	100	20	
Mix ratio parts by volume	100	23	

***TYPICAL PROPERTIES***

**Properties of Material Supplied – mixed**

<b><i>Test</i></b>	<b><i>Value</i></b>	<b><i>Units</i></b>
Gel Time at 25°C(77°F) (ASTM D2471)	35-50	minutes
Viscosity at 25°C (77°F) (ASTM D2196) typical	700 – 900	cP

The above properties are typical values and are not intended for specification use.

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