ELANTAS
Electrical Insulation

Product Information

Epoxylite® 006-2060 / 2061

Balancing Compound

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Epoxylite® 006-2060/2061

Description:

Two component, high density, cold setting epoxide resin balancing putty of thermal class 155°C

The resin component is coloured red-brown; the hardener is coloured grey.
Satisfactory mixing is indicated by a colour change to uniform red-brown.

Epoxylite® 006-2060/2061 cures to form a very resilient material with excellent moisture and contamination resistance.

Application:

Epoxylite® 006-2060/2061 is used for the balancing of rotating electrical components.

Processing:

Small equal quantities of resin and hardener should be mixed and applied by hand at room temperature. Fold, twist and combine the two components until a uniform red-brown colour is achieved.

Properties:

	Resin	Hardener	Mixture	
Appearance	Red - Brown	Grey	Red - Brown	
Viscosity	Putty	Putty	Putty	
Specific Gravity	1.9	1.9	1.9	g / cm³
Mix Ratio	Resin to Hardener 1 : 1			p.b.w.
Mix Ratio	Resin to Hardener 1 : 1			p.b.v.
Gelation Time	15 - 45 minutes			@ 25° C
Cure Schedule	3 - 4 hours			@ 25° C
Flash Point	> 200	> 200	> 200	° C

Epoxylite® 006-2060/2061

DESCRIPTION

Epoxylite® 006-2060/2061 s a two-part high density electrical engineering epoxy balancing compound of thermal class 'F' (155°C)

Epoxylite® 006-2060/2061 is a service proven and widely used economical balancing system for rotating electrical components. It is a fast and effective balancing system with excellent adhesion properties to most commonly encountered surfaces.
The most successful adoption of Epoxylite® 006-2060 / 2061
system by both OEM's and the Electrical Repair Trade is due to it's special formulation in design, which results in a product that demonstrates the following properties.

- Efficient and cost effective when compared to other compounds due to it's high density.
- Easy to mix, simple to apply and with superb mouldability characteristics which allows it to be easily keyed into windings and flanges.
- Excellent adhesive properties to most surfaces commonly found in rotating electrical machines.
- Ability to be not only heat-cured for fast production requirements but also to be ambient temperature cured allowing on-site work to be simply and quickly carried out.
- East of machining when the putty is fully cured.

APPLICATION

Epoxylite® 006-2060/2061 is mainly used for balancing of electrical components however the compound when cured, can be easily machined - this enables the balancing compound to be used successfully on many varied electrical and mechanical repair applications unrelated to balancing such as:

- Repairs to threaded holes, castings and flanges etc.
- Gap-filling and sealing.

IMPORTANT NOTE:
Due to Epoxylite® 006-2060/2061 exhibiting ferro-magnetic properties it is not recommended that this system is used in balancing permanent magnet motors.

PROCESSING

- Simply weigh out equal parts of Epoxylite® 006-2060/2061
- Roll out each of the two parts into similar sized sausage shaped rolls
- Twist the two rolls together.
- Fold the combined roll end to end and then knead the mixture.
- Continue to knead the mixture together until a uniform Brown colour is achieved.
- Before applying the mixed putty ensure that the component surface is clean, dry and free from oil and grease.
- Apply the compound and simply mould into the desired shape with simple finger pressure.
- Smooth-over any rough or high-spots.
- Leave the compound to cure at room temperature for 4 hours. Should a faster cure time be required then the application of heat will speed up the curing process, for example heating the component up to 80°C (and maintaining this temperature) will give a cure in 30 minutes.

Note: Ideally the compound should be applied under end-windings or under the rims of fans etc., in order to minimise the centrifugal stresses that the adhesive compound will experience.

PROPERTIES

		006-2060		006-2061
Mix Ratio	by weight	1		1
	by volume	1		1
Colour		Red-brown		Grey
Shelf Life	before mixing	>12 mths		>12 mths
Cure Cycle		20°C	50°C	80°C
		4 hrs	1 hr	30 mins

Our advice in application technology given verbally, in writing and by testing corresponds to the best of our knowledge and belief, but is intended as information given without obligo, also with respect to any protective rights held by third parties. It does not relieve you from your own responsibility to check the products for their suitability to the purposes and processes intended. The application, usage and processing of the products are beyond our reasonable control and will completely fall into your scope of responsibility. Should there nevertheless be a case of liability from our side, this will be limited to any damage to value of the merchandise delivered by us. Naturally, we assume responsibillity for the unobjectionable quality of our products, as defined in our General Terms and conditions.