

### High Impact Epoxy For Electrical Castings

#### Technical Data Sheet

<b>DESCRIPTION</b>	Megapoxy E Slow is recommended for encapsulation of instrument transformers, lighting transformers, small power transformers and coils, for electrical and electronic industries when reduced heat is necessary for sensitive components .	
<b>PROPERTIES</b>	Mixing Ratio By Weight	5 parts "A" to 1 part "B"
	Mixing Ratio By Volume	3 Parts "A" to 1 part "B"
	Working Time at 25°C	120 Minutes
	Minimum Cure Time At 25°C	48 Hours
	Maximum Service Temperature	65°C
	Viscosity of E Part A	10000 - 15000 cps
	Viscosity of E Slow Part B	2000 - 4000 cps
	Mixed Viscosity	4000 cps
	S.G. of E Part A	1.65 - 1.75
	S.G. of E Slow Part B	0.94 - 0.97
	Mixed S.G.	1.55
<b>PRODUCT SPECIFICATION</b>	MEGAPOXY E slow is suitable for casting electrical switchgear components and for mechanical and chemical resistant applications. Cured MEGAPOXY E Slow has excellent static and dynamic mechanical properties as well as superior electrical and dielectric properties.	
<b>CURED PROPERTIES</b>	Compressive Strength	80 MPa
	Bond strength to steel	20Mpa
	Martins Heat Distortion Temperature	65°C
	Typical Dielectric - Strength 50HZ, 25°C:	18KV/mm
	Shore D Hardness	75 Minimum
<b>SURFACE PREPARATION</b>	Good adhesion can only be achieved if proper pre-treatment of surfaces to be bonded is carried out. Any surface impurities on the casting surfaces can reduce the bond strength or inhibit the bond to the items being encapsulated. It is recommended to clean all surfaces with acetone or isopropyl alcohol. Wire brushing is not an adequate surface preparation and will produce poor adhesion.	
<b>AVAILABILITY</b>	Megapoxy E Slow is available in 30kg kits.	
<b>CLEANING</b>	To keep mixing implements and working tools clean use Megapoxy Thinners. Use disposable rubber gloves to protect hands and maintain proper industrial hygiene.	
<b>TECHNICAL SERVICE</b>	All purchasers of Megapoxy products are invited to avail themselves of our technical service on epoxy resins. The methods and systems outlined in this bulletin are the best available at the present time, however continual research and development is being carried out and could result in change without prior notice.	