

# Megapoxy HELLAS<sup>®</sup>

## Technical Bulletin

### MEGAPOXY E

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High impact epoxy for electrical castings for room or elevated temperature service



#### Summary

MEGAPOXY E is recommended for encapsulation of instrument transformers, lighting transformers, small power transformers and coils, for electrical and electronic industries. MEGAPOXY E is suitable for casting electrical switchgear components and for mechanical and chemical resistant applications. Cured MEGAPOXY E has excellent static and dynamic mechanical properties as well as superior electrical and dielectric properties.

**For service at temperatures up to 80°C:**

With Hardener E use MEGAPOXY E Part A

**For service at temperatures up to 137°C:**

with Hardener EH use MEGAPOXY E Part A

#### Product specifications

	Hardener E	Hardener EH
<b>Mixing ratio by weight - Resin</b>	5	12.5
<b>- Hardener</b>	1	1
<b>Mixing Ratio by volume - Resin</b>	3	7.5
<b>- Hardener</b>	1	1
<b>Density g/cm<sup>3</sup></b>	1.55	1.60
<b>Working time at 25°C</b>	60 minutes	30 minutes
<b>Minimum curing time at 25°C</b>	24 hours	24 hours

#### Properties cured

	Hardener E	Hardener EH
<b>Ultimate compressive strength</b>	80 MPa	100 MPa
<b>Martens heat distortion temperature</b>	65°C	127°C
<b>Typical dielectric- strength 50HZ, 25°C</b>	18 KV/mm	19 KV/mm

#### Availability

- MEGAPOXY E Resin Component is available in 25 kg packs.
- MEGAPOXY E Hardener is available in 5 kg packs.
- MEGAPOXY Hardener EH is available in 5 kg packs.

Please do not hesitate to contact us for any additional information.