

Megapoxy 34

ELECTRICAL WINDING IMPREGNATION EPOXY

Description

MEGAPOXY 34 is a specially formulated epoxy system for impregnating and encapsulating electrical components.

Typical Uses

- ⊕ Encapsulation of electronic components
- ⊕ Impregnation of electrical coils and windings
- ⊕ Splicing cables

Features

- ⊕ High impact resistance
- ⊕ Low viscosity
- ⊕ High mechanical strengths
- ⊕ Excellent chemical resistance
- ⊕ Excellent electrical properties

Packaging

Available in a 2kg or 18kg kit.

Technical Data

Product as supplied

- ⊕ Part A epoxy resin – thin clear liquid
- ⊕ Part B formulated hardener – thin clear liquid

Mix Ratio

4 parts A to 3 parts B by volume or weight.

Cured Properties

- ⊕ Density approx.: 1.08 kg per litre
- ⊕ Maximum Operating Temperature: 150°C
- ⊕ Compressive Strength (Ultimate): 110 MPa
- ⊕ Impact Strength, IZOD: 7 Joules
- ⊕ Dielectric Strength (25°C, 50 kHz): 315 KV/cm
- ⊕ Volume resistivity (25°C): 10¹³ ohm.cm

Application Notes - General

Preparation

Ensure surfaces are prepared for adhesion or release as desired. Megapoxy 34 will adhere strongly to most clean dry surfaces.

Mixing + Placement

Premix Part A compound to ensure any settled material is recombined. Pour contents of Part B into Part A in correct proportions and mix thoroughly with a power mixed, or flat stirrer by hand, and ensure all material around the bottom and sides of the container is incorporated. Do not aerate mix. Allow mixed material to stand for 2 – 3 minutes for any air to escape and then pour into mould or winding in slow stream avoiding air entrapment. Do not apply at temperatures below 10°C.

Working Time (Pot Life)

30 minutes at 25°C

Cure Time

24 hours at 25°C

Cleaning

Spillage and excess should be cleaned up as soon as possible. Uncured Megapoxy 34 can be removed using Megapoxy Thinners. Once the product has cured only severe heat or prolonged immersion in a powerful solvent will break it down.

Storage

MEGAPOXY 34 has a shelf life exceeding one year sealed in the original containers and stowed in a dry environment at 15°C to 20°C.

Safety Precautions

Avoid contact with uncured product at all times. Use protective clothing including safety glasses and apply a barrier cream to skin areas that could be exposed. Refer to Material Safety Data Sheets for further information.

First Aid

If swallowed, DO NOT induce vomiting, give a glass of water and contact a Doctor or the Poisons Information Centre. If in eyes, hold eyes open and flood with copious amounts of clean water for at least 15 minutes and contact a Doctor. If skin contact occurs, remove contaminated clothes and wash skin with soap and warm water. If allergic response (irritation, wheezing, etc.) occurs seek medical advice. Refer to Material Safety Data Sheets for further information.

NOTE

As conditions may vary considerably in consuming industries, buyers and users must assess this product's performance for their own requirements.

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