



TECHNICAL DATA

NP2500

RE-ENTERABLE POLYURETHANE POTTING COMPOUND

Fully RoHS Compliant containing no heavy metals

Product Description

NP2500 is a two component re-enterable polyurethane resin system. The resin is flexible at temperatures as low as -60 °C and is suitable for the most delicate electronic components where thermal or mechanical shock is encountered. The system exhibits excellent water resistance, and outstanding electrical properties. The optical clarity and low tear strength allows component identification and removal.

The NP2500 system contains no mercury catalysts, phthalate plasticisers or monomeric isocyanates! It is classified as NON-HAZARDOUS according to the latest EC criteria.

Features

- * Re-enterable
- * Flexible at Very Low Temperatures
- * Excellent Electrical properties
- * Transparent
- * Imparts No Stress on Electrical Components

Typical Uncured Physical Properties

Property	Base	Hardener	Mixed System
Viscosity (mPas)	400	600	500
Colour	Clear Straw	Clear Straw	Clear Straw
Specific Gravity	0.92	1.02	0.97
Mix Ratio	92 100	100 100	By Weight By Volume
Pot Life	25 Minutes	200 gm @ 23°C	
Gel Time	50 Minutes	200 gm @ 23°C	
Complete Cure	48 Hours	200 gm @ 23°C	



Typical Cured Properties

Property	Result	Units
Operating Temperature	-60 to +100	°C Continuous
Shore A Hardness	16	After 72 hours
Electric Strength	18	kV/mm
Volume Resistivity	10 ¹⁴	Ohm-cm
Dielectric Constant	3.5	@ 10 kHz
Thermal Conductivity	0.25	W/m ⁰ K
Deflection Temperature	-50	°C (Approx)

Note: The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

Supply	Details
Twinpacks	Ideal for mixing without the entrapment of air
Kits	The resin base and hardener are supplied in two separate containers, pre-weighed to facilitate accurate mixing for larger applications
Bulk	Available in proportioned containers
Shelf Life	The materials should be stored in the original unopened containers under cool dry conditions at temperatures between 10 and 25 °C. The shelf life is one year. Opened containers should be resealed.



Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. All Products should be used in accordance with your own COSHH Assessments. For additional health and safety information, call 01373 858234.

Technical Information

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