



## TECHNICAL DATA

### NP5005

### POLYURETHANE GEL

#### Product Description

NP5005 is a two-component soft polyurethane gel system. It forms an excellent water resistant barrier whilst imparting no stress on encapsulated components. The gel is highly malleable, allowing its use in clam-shell cable joints. The resin is flexible at temperatures as low as -60°C.

#### Features

- \* Malleable
- \* Flexible at Very Low Temperatures
- \* Excellent Electrical properties
- \* Water Resistant
- \* Imparts No Stress on Electrical Components

#### Typical Uncured Physical Properties

Property	Base	Hardener	Mixed System
Viscosity (mPas)	500	135	500
Colour	Orange	Clear Straw	Orange
Specific Gravity	0.94	1.04	0.95
Mix Ratio	6.1 6.76	1 1	By Weight By Volume

Pot Life	50 Minutes	100 g @ 23°C
Gel Time	1-2 Hours	100 g @ 23°C
Complete Cure	72 Hours	100 g @ 23°C



## Typical Cured Properties

Property	Result	Units
Operating Temperature	-60 to +80	°C Continuous
Shore A Hardness	N/A	After 72 hours
Electric Strength	15	kV/mm
Continuous Tracking Index	>850	V
Thermal Conductivity	0.2	W/mK
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

The technical information, recommendations and other statements contained in this document are based upon tests or experience that ALH believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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