



TECHNICAL DATA

NP5015

POLYURETHANE GEL

Product Description

NP5015 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
Colour	Pale Blue	Clear Straw	Pale Blue
Specific Gravity	1.27	1.24	1.26
Mix Ratio	7 6.84	1 1	By Weight By Volume

Pot Life	30-40 Minutes	200 g @ 23°C
Gel Time	2-3 Hours	200 g @ 23°C
Complete Cure	72 Hours	200 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.

Product Use

Many factors beyond ALH's control and uniquely within user's knowledge and control can affect the use and performance of an ALH product in a particular application. Given the variety of factors that can affect the use and performance of an ALH product, the user is solely responsible for evaluating the ALH product and determining whether it is fit for a particular purpose and suitable for the user's methods of application.

Warranty, Limited Remedy and Disclaimer

Unless an additional warranty is specifically state on the applicable ALH product packaging or product literature, ALH warrants that each ALH product meets the applicable ALH product specification at the time ALH ships the product. ALH MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the ALH product does not conform to this warranty, then the sole and exclusive remedy is, at ALH's option, replacement of the ALH product or refund of the purchase price.

Limitation of Liability

Except where prohibited by law, ALH will not be liable for any loss or damage arising from the ALH product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.