



TECHNICAL DATA

NP5025

CLEAR POLYURETHANE GEL

Product Description

NP5025 is a clear 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

- * Clear
- * 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)	130	135	130
Colour	Clear	Clear Straw	Clear straw
Specific Gravity	0.94	1.04	0.97
Mix Ratio	6.0 6.65	1 1	By Weight By Volume



Pot Life	3 Hours	100 g @ 23°C
Gel Time	5-7 Hours	100 g @ 23°C
Complete Cure	5 days	100 g @ 23°C

Typical Cured Properties

Property	Result	Units
Operating Temperature	-60 to +80	°C Continuous
Shore A Hardness	N/A	
Electric Strength	15	kV/mm
Comparative Tracking Index	>850	V
Deflection Temperature	-50	°C (Approx)
Thermal Conductivity	0.2	W/mK

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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