

LOCTITE EA 4925

July 2016

PRODUCT DESCRIPTION

LOCTITE EA 4925 provides the following product characteristics:

Technology	Epoxy
Product Type	Epoxy adhesive
Cure	Polymerisation
Components	One-component
Application	General assembly
Appearance	Black

Application Areas

LOCTITE EA 4925 is a highly filled, class H (180°C) epoxy adhesive and potting compound.

The product has an exceptional resistance to water, heat, freon and other strong solvents. It shows good shock resistance and a low expansion coefficient. LOCTITE EA 4925 is recommended for long term electrical service above 180°C.

TECHNICAL DATA**LOCTITE EA 4925:**

Viscosity at 25 °C, Pa.s ASTM D 2393	48 to 56
Specific Gravity, g/cm ³ ASTM D 792	1.5 to 1.6
Shore D hardness at 40 °C, minutes	94
Shore D hardness at 120 °C, minutes ASTM D 2240	89
Cure Time at 120 °C, minutes	150
Cure Time at 155 °C, minutes	30
Cure Time at 170 °C, minutes	12
Gel Time at 120 °C, minutes	60
Gel Time at 155 °C, minutes	8
Gel Time at 170 °C, minutes	4

*For applications involving large substrates a four hour cure at 120°C is recommended.

Exotherm: moderate heat generated during cure. No adverse exotherm effects when cured at 120°C in masses up to about 40 g.

DIRECTIONS FOR USE**Preliminary Statement:**

Prior to application it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

Pretreatment:

The substrate should be clean, dry, free of dust, oil, grease and other contaminants. An improvement of the adhesion

can be achieved by grinding or sandblasting the surface.

Application:

For best results when potting small electrical components, preheat part (and mold, if used) before pouring epoxy to remove moisture from part and speed up impregnation.

Classification:

Please refer to the corresponding **safety data sheets** for details on:

Hazards identification**Transport information****Regulatory information****Storage:**

When stored in the original unopened containers at 2-8°C, the shelf life of this product is 7 months from the date of production. Storage in cool, clean and dry areas is recommended. Usable shelf life may vary depending on method of application and storage conditions.

ADDITIONAL INFORMATION**Disclaimer:**

The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention.

This datasheet replaces all former versions.

Reference 0.1