

**HYSOL GR720**(V6)
Feb 2024**PRODUCT DESCRIPTION**

HYSOL GR720 provides the following product characteristics:

Technology	Epoxy
Appearance	Black
Filler Type	Fused silica
Filler Weight, %	84±1
Filler cut	75µm
Typical Package(s)	SOT,SOD
Product Benefits	<ul style="list-style-type: none">● Halogen free● Low stress● High adhesion● Low moisture absorption● High reliability

HYSOL GR720 is a green molding compound designed for SOT/SOD .

HYSOL GR720 meets UL 94 V-0 Flammability

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Typical Value
Spiral Flow, @ 175°C, inches	47
Gel Time @ 175°C, seconds	26
Shelf Life @ 5°C, days	183
Specific Gravity, g/cm ³	1.92

TYPICAL PROCESS DATA

Handling	Typical Value
Preheat Temperature,convental mold, °C	70 to 90
Molding Temperature, °C	170 to 185
Molding Pressure, Kg/cm ²	40 to 85
Transfer Time, seconds	7 to 15
Curing Time, seconds	90 to 150
Post Cure Time, hours	4 to 8

HYSOL GR720 has been formulated to provide the best possible moldability and as wide a molding latitude as possible. Although molding and curing conditions will vary from situation to situation, recommended starting ranges are shown above.

TYPICAL PROPERTIES OF CURED MATERIAL

All measurements taken at **175°C** unless otherwise noted. All physical, electrical and analytical measurements taken on specimens cured for **2 minutes @175°C** with post cure of **6 hours @ 175°C**, unless otherwise specified.

Physical Properties Property	Typical Value
Glass Transition Temperature (Tg), °C	113

Coefficient of Thermal Expansion , ppm/°C:

Below Tg 10*Above Tg* 43

Flexural Modulus @ 25°C, MPa 19347

Flexural Strength @ 25°C, MPa 136

Moisture Absorption , 24 hours PCT , % 0.40

Thermal Conductivity , W/(m-K) 0.92

Electrical PropertiesVolume resistivity @ 21°C, 500 V, Ω-cm 26×10¹⁵**GENERAL INFORMATION**

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 5°C. Storage greater than 5°C can adversely affect product properties. Material removed from containers may be contaminated during use. Do not return products to the original container. Hysol Huawei Electronics Co., Ltd. cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact Hysol Huawei Electronics Co., Ltd. Technical Service Center or Customer Service Representative.

NOTE

This product is a developmental product. It is not now, and may not be in the future, commercially available. The properties of the uncured material and the physical properties of the cured material have been established as a point of reference only. The information provided in this Lab Data Sheet (LDS) including the recommendations for use and application of the product are based on our best knowledge and experience of the product as at the date of this LDS. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.

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