

CF-4721

Thermosetting silicone resin

DESCRIPTION

- A solvent-free, thermosetting resin
- Forms a transparent, rigid material that retains its cured properties over a broad temperature range (up to 300°C/570°F)
- Has good dielectric properties at high temperatures and humidity
- Excellent resistance to radiation
- 100:1 Mix Ratio (CF-4721:Dicumyl Peroxide)

APPLICATION

- For encapsulating electrical and electronic units
- For electronics and photonics applications

PROPERTIES

Typical Properties	Average Result	Metric Conv.	Standard	NT-TM
Uncured:				
Appearance	Water white to light amber	-	ASTM D2090	002
Specific Gravity at 25°C (77°F)	1.10	-	ASTM D792	003
Viscosity at 25°C (77°F)	125 cP	125 MPa	ASTM D1084, D2196	001
Non-Volatile Content	100%	-	ASTM DC-CTM 813	022
Refractive Index	1.52	-	ASTM D1747, D1218	018
Cured: 15 min at 150°C				
Durometer, Type D	75	-	ASTM D2240	006

CATALYST

Recrystallized Dicumyl Peroxide* is the recommended catalyst. Catalyze by adding 1 part dicumyl peroxide to 100 parts resin by weight.

*Sigma Aldrich- Milwaukee, WI. www.sigma-aldrich.com

SPECIFICATIONS

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC (hereinafter "NuSil Technology") is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides a specific written warranty of fitness for a particular use, NuSil Technology's sole warranty is that the product will meet NuSil Technology's then current specification. NuSil Technology specifically disclaims all other expressed or implied warranties, including, but not limited to, warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology's sole liability for breach of warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. NuSil Technology expressly disclaims any liability for incidental or consequential damages.

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NuSil Technology believes, to the best of its knowledge, that the information and data contained herein are accurate and reliable. The user is responsible to determine the material's suitability and safety of use. NuSil Technology cannot know each application's specific requirements and hereby notifies the user that it has not tested or determined this material's suitability or safety for use in any application. The user is responsible to adequately test and determine the safety and

Packaging

1 Pint (455 g)
1 Gal (3.64 kg)
5 Gal (18.2 kg)

Warranty

12 Months

suitability for their application and NuSil Technology makes no warranty concerning fitness for any use or purpose. NuSil Technology has completed no testing to establish safety of use in any medical application.

NuSil Technology has tested this material only to determine if the product meets the applicable specifications. (Please [contact](#) NuSil Technology for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology products in a particular application, review the latest Material Safety Data Sheet and [contact](#) NuSil Technology with any questions about product safety information.

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Polymer Systems Technology Limited

Silicone Sales & Services UK - Ireland - Benelux

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Unit 2. Network 4. Cressex Business Park,
Lincoln Road, High Wycombe, Bucks. HP12 3RF

tel: +44 (0) 1494 446610

web: <https://www.silicone-polymers.com>

email: sales@silicone-polymers.co.uk

