

Hysol® 9432NA

Epoxy; Epoxide

Loctite®

Message:

Loctite® Hysol® 9432NA is an aluminum filled, thixotropic, one component epoxy adhesive. Hysol 9432NA is formulated to provide excellent tensile shear strength over a wide range of temperatures and a high degree of impact resistance. This adhesive can bond oily and other poorly prepared surfaces and can be used to bond a wide variety of substrates. Hysol 9432NA is designed to cure at moderate temperatures but has a long shelf life at room temperature. This adhesive can be easily pumped and dispensed onto parts without sagging due to its high thixotropy.

| General Information | | | |
|--|--------------------------|-------------------|-------------|
| Filler / Reinforcement | Aluminum | | |
| Features | Good Adhesion | | |
| | Good Chemical Resistance | | |
| | High Impact Resistance | | |
| | Thixotropic | | |
| Uses | Adhesives | | |
| | Bonding | | |
| Appearance | Grey | | |
| Forms | Paste | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity ¹ | 1.38 | g/cm ³ | |
| Density | 1.378 | g/cm ³ | |
| Viscosity | 150 to 300 | Pa · s | |
| Shear Strength ² | | | ASTM D1002 |
| Budd Company Fiberglass SMC : 25°C | 2.62 | MPa | |
| CR Steel Abraded : 25°C | 20.7 | MPa | |
| CR Steel Degreased : 25°C | 19.7 | MPa | |
| CR Steel Oily : 25°C | 17.9 | MPa | |
| Degreased Aluminum : 25°C | 24.1 | MPa | |
| Etched Aluminum : -55°C | 24.1 | MPa | |
| Etched Aluminum : 25°C | 26.2 | MPa | |
| Etched Aluminum : 121°C | 20.7 | MPa | |
| Etched Aluminum : 149°C | 16.5 | MPa | |
| Etched Aluminum : 177°C | 2.76 | MPa | |
| Etched Aluminum : 204°C | 2.76 | MPa | |
| Fiberglass Vinyl Ester Laminate : 25°C | 6.89 | MPa | |
| Owens Corning Fiberglass SMC : 25°C | 2.76 | MPa | |
| Slump (149°C) | < 7.62 | mm | |
| Hardness | Nominal Value | Unit | Test Method |


| Durometer Hardness (Shore D) | 90 | | ASTM D2240 |
|------------------------------|---------------------------|------|-------------|
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 4690 | MPa | ASTM D638 |
| Tensile Strength | 50.7 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 1.2 | % | ASTM D638 |
| NOTE | | | |
| 1. | 77°F | | |
| 2. | Cured 30 minutes at 300°F | | |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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