

Section V — Reactivity Data

| | | | |
|-----------|----------|---|---------------------|
| Stability | Unstable | | Conditions to Avoid |
| | Stable | X | |

Incompatibility (Materials to Avoid)
not known

Hazardous Decomposition or Byproducts
avoid breathing of decomposition products

| | | | |
|--------------------------|----------------|---|---------------------|
| Hazardous Polymerization | May Occur | | Conditions to Avoid |
| | Will Not Occur | X | |

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)
Acute: no acute hazards known

Chronic: no chronic hazards known

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure
n/a

Medical Conditions
Generally Aggravated by Exposure

n/a

Emergency and First Aid Procedures
n/a

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
n/a

Waste Disposal Method

NOVATEC 825°F is a non-hazardous waste and disposal may be in landfill for non-critical materials. Local regulations should be consulted.

Precautions to Be Taken in Handling and Storing
n/a

Other Precautions
n/a

Section VIII — Control Measures

Respiratory Protection (Specify Type)
n/a

| | | |
|-------------|----------------------|---------|
| Ventilation | Local Exhaust | Special |
| | Mechanical (General) | Other |

Protective Gloves n/a Eye Protection n/a

Other Protective Clothing or Equipment
n/a

Work/Hygienic Practices
n/a

White the information and recommendations set forth herein are believed to be accurate as of the date of preparation, THE MANUFACTURER MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

NOVATEC 825F Engineered Graphite

NOVATEC's high percentage of graphite and low percentage of rubber binder gives it such remarkable media and temperature resistance that all other compressed non-asbestos is now obsolete.

NOVATEC 825°F is Frenzelit's general service compressed non-asbestos gasket sheet made with 75% pure graphite. This unique gasket sheet has great flexibility. It is easily identified by the cranberry colored "easy release" non-stick coating. This sheet's 45% compressibility allows for better sealing for those less than perfect flanges. This material does not cold flow when compressed with excessive torque. It likes stress and performs its best when compressed to 5000 PSI and beyond. This is an excellent steam sheet that works best in flanges.

Frenzelit's NOVATEC Engineered Graphite easily replaces the competitions non-asbestos compressed sheets. See our "Compressed Gasket Sheet Comparison" for details.

Our "Gasket Installation Procedure" must be followed to assure optimum performance in your gasket application.

| | |
|--|---|
| Temperature | 825°F/441°C |
| Pressure | 1500 PSI |
| Color | Cranberry |
| Composition | Graphite |
| pH | 2 - 14 |
| Density | 62 lb./ft ³ |
| Leachable Chlorides | Less than 100 ppm |
| PxT Values | 1/16" - 350,000 3/32" - 210,000 |
| Fire Safe Tested | DIN Approved |
| Thickness | .020", 1/32", 1/16", 3/32", 1/8", 3/16", 1/4" |
| Sheet Size | 60" x 60", 80" x 80", 60" x 80", 40" x 80" |
| ASTM F 104 Tests 1/32" Thick | |
| F 38 B Creep Relaxation | |
| 22 Hrs @ 212°F (100°C) | 15% |
| 22 Hrs @ 392°F (200°C) | 35% |
| F 37 A Sealability | |
| Fuel A @ 14.5 PSI/Gasket Load 1000 PSI | .25 ml/hr |
| F 37 B Sealability | |
| Fuel A @ 9.8 PSI/Gasket Load 500 PSI | 05 ml/hr |
| Nitrogen @ 30 PSI/Gasket Load 3000 PSI | .1 ml/min |
| F 146 Thickness Increase | |
| Oil #3, 5 Hrs @ 300°F | < 3% |
| Fuel B, 5 Hrs @ 73°F | < 4% |
| F 36 A Compressibility | |
| 5000 PSI Gasket Load | 45% |
| F 36 A Recovery | 10% |
| F 152 Tensile Strength | 600 PSI |
| DIN 3535 Part 6 Gas Permeability | |
| Nitrogen @ 580 PSI/Gasket Load 4640 PSI | .2 cc/min |
| DIN 52913 Stress Relaxation @ 7250 PSI | |
| 16 Hrs @ 347°F | Stress Retained > 6500 PSI |
| 16 Hrs @ 572°F | Stress Retained > 5000 PSI |
| DIN 3754 48 Hrs @ 75°F Thickness Increase | |
| H2SO4 Sulfuric Acid 65% Concentration | 7% |
| NaOH Sodium Hydroxide 25% Concentration | 3% |

As in all compressed sheets the P x T values decrease significantly as the thickness increases. Our maximum temperature, pressure and P x T values cannot be exceeded.