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GRAPHITE SHEETS

## 3R887M



### Description

The 3R 887M is a flexible graphite sheet reinforced with a 0.0005" thick Mylar film. This sheet is made from exfoliated graphite flakes which is compressed into a foil by a carefully controlled calendering process. In this process, the expanded flake particles are mechanically locked together without the use of fibers, binders or other additives. Sheets of foil are then adhesively bonded and laminated to the required thickness.

### Applications

The 3R 887M flexible graphite sheet has pressure-temperature sealing capabilities that are far superior to all asbestos and non-asbestos reinforced sheet products. It is resistant to chemical attacks by virtually all organic and inorganic fluids with the exception of concentrated, highly oxidizing acids.

Gaskets cut from this sheet seal low to moderate bolt loads and because of its very low creep relaxation, re-torquing is rarely required. Flexible graphite readily flows into flange irregularities enabling it to seal both smooth and coarse surface finishes.

### Specifications

#### Technical data

Temperature In air	-240°C à 510°C (-400°F à 950°F)
Temperature Mild oxidizing environment	-240°C à 850°C (-400°F à 1500°F)
Temperature Non oxidizing environment	980°C (1800°F)
Compressibility (ASTM F-36)	44%
Recovery (ASTM F-36)	15%
Creep Relaxation (ASTM F-38)	Less than 5%

Chemical Composition	Carbon: 99% min., Ash: 0.8% max., Leachable chloride: 30 ppm max.
Thickness	1/32", 1/16", 1/8"
Size	39.4" X 39.4", 60" X 60 "

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.