

**Typical Properties of  
Thermoseal's C-4433 General Purpose  
High temperature Compressed Fiber**

Thermoseal C-4433 is our top general purpose high performance compressed gasket material. This material offers excellent load bearing, creep relaxation and chemical resistance. C-4433 is manufactured from Fiberglass, Aramid and Inorganic Fibers with a Nitrile binder system and is an excellent gasket material for sealing liquids in high temperature applications seeing temperatures up to 775° F (412° C) and for sealing steam and gases at temperatures up to 500° F and (260° C). This material is typically used as a gasket or seal for compressors, pipe flanges, manways, pumps and valves.

Thermoseal C-4433 is available in sheets 60" x 60" square in the following thicknesses: 1/32", 3/64", 1/16", 3/32" and 1/8". If required, Atlantic Gasket will gladly die-cut or waterjet cut parts to your exact requirements and can ship finished parts the same day if needed.

**Specifications**

Meets ASTM F104 F712132B3E12K6M5

Physical Properties	Test Method	Typical Value
Creep Relaxation (.031")	ASTM F38B	20%
Sealability (.031")	ASTM F37A	<0.5 ml/hr
Gas Permeability	DIN 3535/6	<0.2 ml/min
Compressibility	ASTM F36J	7%
Recovery (min.)	ASTM F36J	60%
Weight Increase (After Immersion in Fuel B for 5 hrs. at 73 F (C))	ASTM F 146	10% (max.)
Thickness Increase ASTM F146 After immersion in:	ASTM Oil 1 5h/300°F (149°C) ASTM Oil IRM903, 5h/300°F (149°C) ASTM Fuel A 5h/73°F (23°C) ASTM Fuel B 5h/73°F (23°C)	0-5% 0-4% 0-5% 0-7%
Dielectric Strength	ASTM D149-95a	21 kV/mm
Density	ASTM F1315	112 pcf (1.8 g/cc)
Leachable Chloride Content	FSA Method (Typical)	150 ppm
Color	N/A	Red

Klingersil C-4433 is commonly used in the following industries:

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|---------------|----------------|
| Petrochemical | Steel          |
| Chemical      | Ship building  |
| Food          | Aerospace      |
| Paper         | Transportation |
| Mining        | Railcar        |

This information is furnished as a guide for selecting materials. Atlantic Gasket Corp. disclaims liability for results or use of this information. It is the customer's responsibility to obtain and test samples when determining suitability of material for a particular application.