

# Gasket Man cc

## Data Specifications Sheet

### C- 4500

Top quality grade based on carbon fibre with a nitrile binder. A premium quality sealing material with outstanding resistance to alkaline and steam.

### Physical Properties / Technical Data

The information represents typical values which can vary according to the application. These values do not constitute a performance guarantee. Users should determine, prior to use, the suitability of this material for their particular application

Compressibility ASTM F 36 J		12 %
Recovery ASTM F 36 J	Min	60 %
Stress relaxation DIN 52913	50 MPa, 16h/175°C	35 MPa
	50 MPa, 16h/ 300°C	32 MPa
Stress relaxation BS 7531	40MPa, 16h/ 300°C	30 MPa
Klinger cold/hot compression	thickness decrease at 23°C	10 %
50 MPA	thickness decrease at 300°C	15 %
Tightness according DIN 3535/6		< 0.1 mg/s x m
Thickness increase after fluid	Oil JRM 903: 5h/150°C	3 %
Immersion ASTM F 146	Fuel B.: 5h/23°C	5 %
Density		1.6 g/cm <sup>3</sup>
Average surface resistance	R <sub>OA</sub>	5.7x10E4 Ω
Average specific volume resistance	ρ <sub>D</sub>	7.5x10E4 Ω cm
Average dielectric strength		<0.1 kV/mm
Average power factor	1 kHz, ca 3mm thickness	0.147 tanδ
Average dielectric coefficient	1 kHz, ca 3mm thicknesss	9.7 ε <sub>r</sub>
Thermal conductivity		0.2 W/mK

### General Properties

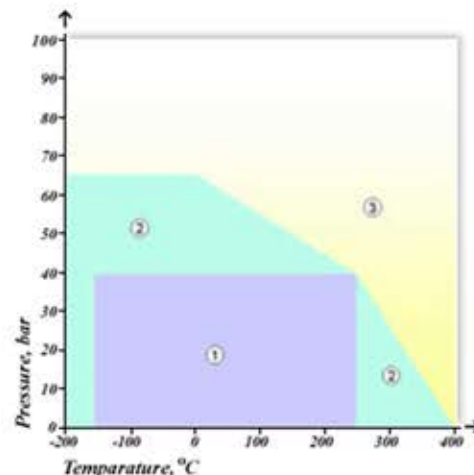
Good resistance to steam  
Good resistance to alkaline applications  
Excellent load bearing characteristics  
Good creep resistance  
Good resistance to oils, fuels, hydrocarbons  
Anti-Stick finish on both sides.

### Availability

Sheet: 2.0 x 1.5 / 6.0 x 2.0  
Thickness: 0.4, 0.5, 1.0, 1.5, 2.0, 3.0  
Also available in wire reinforced

#### Key:

1. Usually satisfactory without reference
2. Usually satisfactory, but suggest you refer to Gasket Man cc for advice
3. Caution: May be suitable but essential that you refer to Gasket Man cc for advice.



Gasket Man cc  
Unit C3  
Dekema Park  
284a Dekema Road  
Wadeville  
1422

Tel: 011 865 4347  
Fax: 086 670 6773  
Cell: 082 925 1497

Should you require any more information please contact us for support.  
You can also mail us at:  
amanda@gasketmanonline.co.za