



**KLINGERSIL® C-4500**

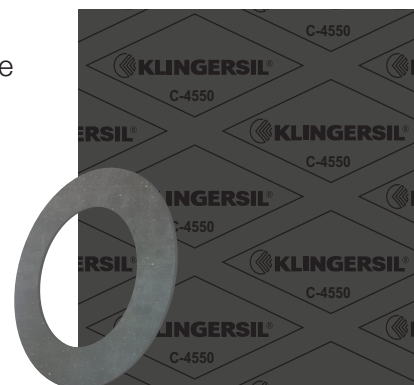
High performance material, designed for use in the chemical industry. Suitable for use with alkaline agents with high pressures and temperatures.

**Material** Sealing material with carbon fiber and NBR rubber.

**Color** Black / black

**Sizes** 2000x1500mm | 4000x1500mm

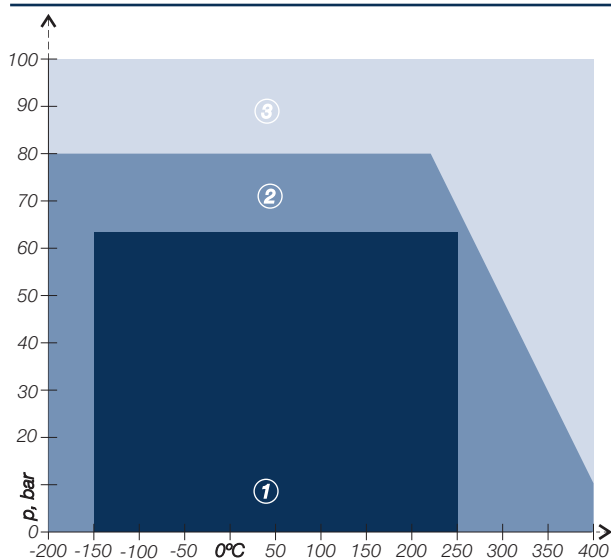
**Thicknesses** 0,4 mm - 6,4mm



**Technical Data - Typical values \* thickness for 1.5mm**

<b>Compressibility ASTM F 36 A</b>		%	12
<b>Recovery ASTM F 36 A</b>		%	55
<b>Heat loss DIN 52911</b>		%	30
<b>Stress relaxation BS 7531</b>	40Mpa / 300°C	Mpa	24
<b>KLINGER hot compression 50 Mpa</b>	Thickness decrease at 23°C	%	14
	Thickness decrease at 300°C	%	15
<b>Thickness increase after fluid (ASTM F 146)</b>	Oil ASTM N° 3: 5h a 150°C	%	5
	Fuel B: 5h a 23°C	%	6
<b>Weight increase after fluid (ASTM F 146)</b>	Oil ASTM N° 3: 5h a 150°C	%	15
	Fuel B: 5h a 23°C	%	15
<b>Density</b>		g/cm3	1,50

\* Reference numbers between allowed value ranges. For information on the value ranges, contact us.



**Pressure and Temperature Chart**

- ① If the temperature and pressure of your application are in this area, technical assessment is not necessary.
- ② If the temperature and pressure of your application are in this area, a technical assessment is recommended.
- ③ If the temperature and pressure of your application are in this area, a rigorous technical assessment must be carried out.

