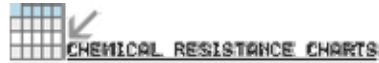


**Gasket Materials >>> BELPA® CSA 520, PREMIUM QUALITY GASKET MATERIAL FOR INDUSTRY**



**Ta Luft-520**



**· COMPOSITION**

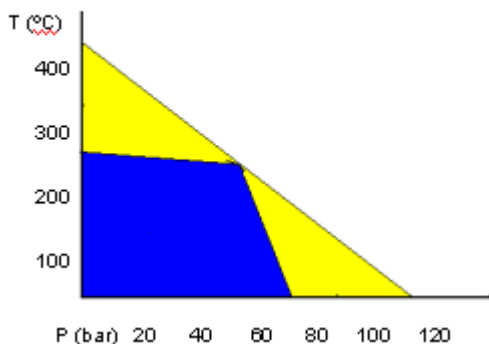
BELPA CSA-520 is a high quality compressed non asbestos fibre jointing sheet made with aramide and high quality mineral fibers in a NBR rubber matrix. BELPA CSA -520 has the lowest gas permeability value, with the highest tensile strength and the best flexibility. BELPA CSA 520 is a high-tech product with the highest stress relaxation value ( GRADE X ) in the market. Material suitable for many uses and with most of the fluids . Universal gasket material for every equipment and services.

Technical Data.	
COLOUR	Green
Standard sizes (mm) Other upon request	1500 x 1500
Standard thickness (mm). Other upon request	0,5, 0.8, 1, 1,5, 2, 3
Density (± 10%)	1,65 g/cm <sup>3</sup>
Compressibility ASTM F-36A	7%-15%
Recovery ASTM F-36A	>55%
Transverse tensile strength ASTM F-152	13MPa
Stress relaxation (BS 7531 1.5mm 300°C/16H) (Mpa)	25
Gas permeability DIN 3535/6	<0,4 cm <sup>3</sup> /min
Hot creep at 200°C x wsw/200 (%)	10-11
Cold compressibility x KSW (%)	10
Cold recovery x KRW (%)	3,0
Hot recovery at 200°C x wsr/200 (%)	0,9
Thickness increase ASTM F-146 after:	
ASTM oil N°1 5h 150°C	<2%
ASTM oil N°3 5h 150°C	<4%
ASTM fuel B 5h RT	<6%

Typical properties for 2 mm thickness

**PRESSURE-TEMPERATURE DIAGRAM**

**PRESSURE-TEMPERATURE DIAGRAM**

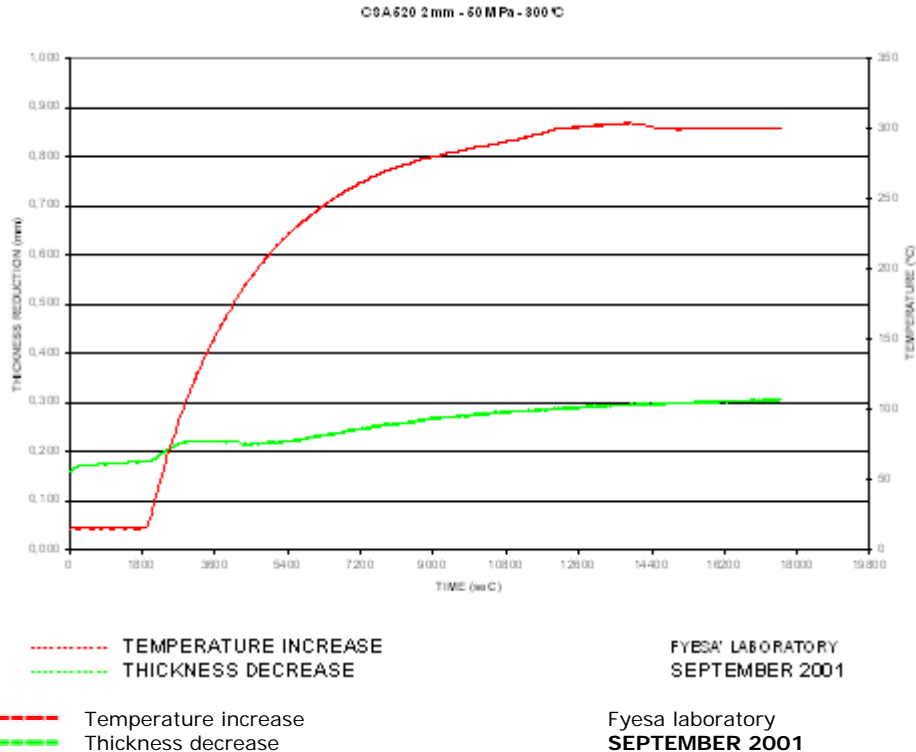


**P-T OPERATING GUIDELINES**

- 1- Usually satisfactory to use without reference to Montero. Technical examination is normally unnecessary.
- 2- Must refer to Montero for advice. A technical examination is recommended
- 3- Area not recommended.

The P-T diagram helps the user or designer who often knows the operating temperature and pressure to carry out an initial selection of a suitable material . The P-T diagram cannot guarantee the suitability of a material for an application

- CREEP DEFORMATION / HOT CREEP TEST



CREEP DEFORMATION: percentage loss of thickness over a specified time under constant load, applied at a specified rate, at a specified temperature.

Creep (%) = (loss of thickness under load at a specified time / initial thickness of the sample) x 100

Creep deformation gives an indication of the effect of time and temperature on deformation behaviour of gaskets materials.

This parameter also gives an indication about the trend of a gasket material to leak in combination with the variables that also affect to a flanged union