

Gasket Materials >>> New non-asbestos BELPA® ACID , COMPRESSED GASKET MATERIAL FOR ACID AND ALKALI SERVICE



• COMPOSITION

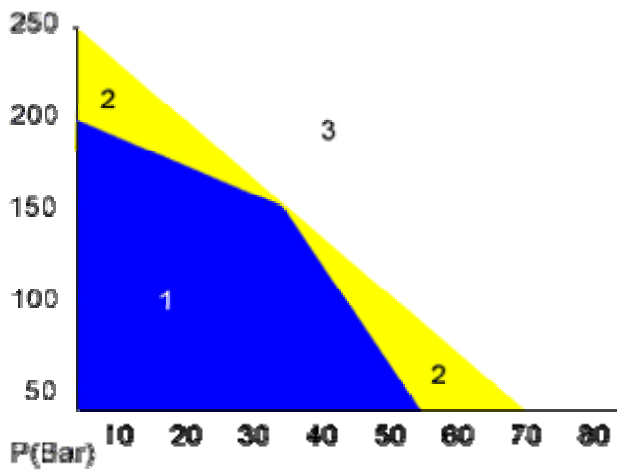
Compressed non-asbestos gasket sheet made on the basis of aramid and mineral fibres, combined with inorganic fillers, reinforcing a special rubber formulation. The resulting gasket sheet is recommended for use on a wide range of service conditions with chemical resistance to many products including most of the acids, oils, alkalis and solvents. The product has been designed for use with the acid and alkali media most frequently found in industry.

Technical Data.	
COLOUR	WHITE
Standard sizes (mm) Other upon request	2000 x 1500
Standard thickness (mm). Other upon request	0.5 ; 1; 1,5 ; 2 ; 3
Density (±10%)	1.65 g/cm3
Compressibility ASTM F-36 A	7-15%
Recovery ASTM F-36 A	>45%
Gas permeability DIN 3535/6	< 1 cm3/min
THICKNESS INCREASE ASTM F-146	
ASTM oil N°1 5h 150°C	<2%
ASTM oil N°3 5h 150°C	<9%
ASTM B 5h 150°C	<8%
H2SO4 (72%) 24 H/RT	<4 %
HCl (18%) 24 H/RT	<1.5 %
HNO3 (33%) 24 H/RT	<1.5 %
Na(OH) (50%) 24 H/RT	<2 %

Typical properties for 2 mm thickness.

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

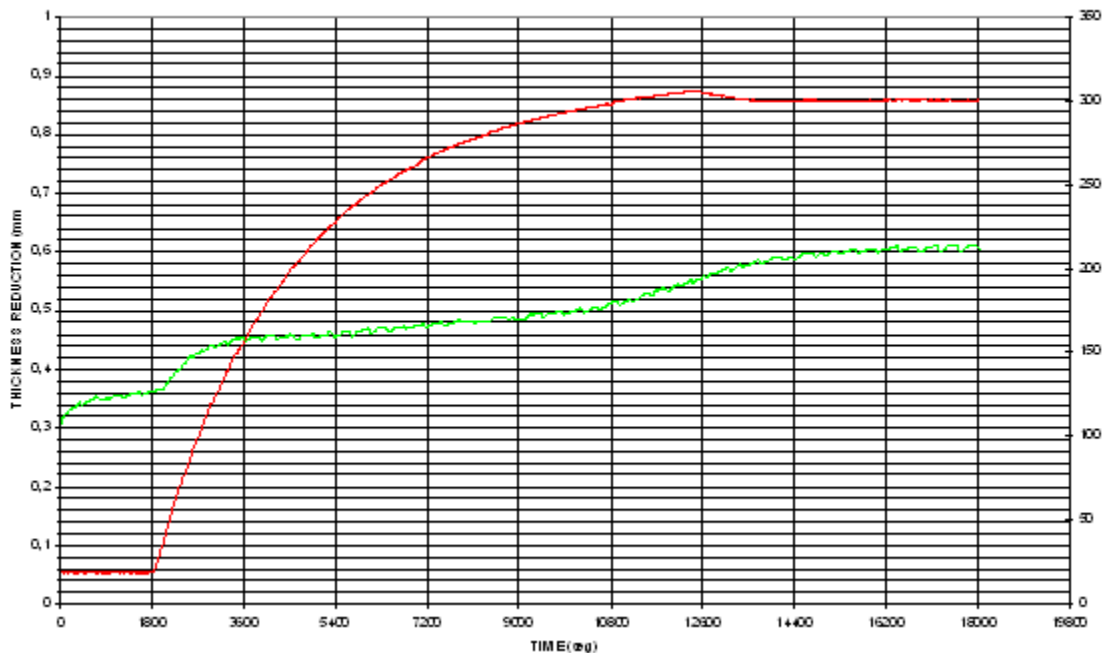
3- Area not recommended.

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.

Good performance and long service life of gaskets depend in large measure on fitting and operation conditions, over which the manufacturer has no control. The data given on this technical sheet should not be used as application limits, but as guidance for an appropriate choice. We can offer guarantees only for the quality of our products.

CREEP DEFORMATION / HOT CREEP TEST

CSA ACID-2 mm -50 MPa -300 °C



--- Temperature increase
 --- Thickness decrease

Fyesa laboratory
SEPTEMBER 2001

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