

# Leader Fybar PT 50

## Rubberbonded Fiber Jointing Sheets



### DESCRIPTION

Fybar PT50 consists of aramid fiber, NBR bound universally applicable, excellent value/quality ratio. Widely applicable for non-aggressive media, such as air, (potable) water, oils, greases and fuels, weak acids and alkalines.

### APPLICATION

Widely applicable for non-aggressive media such as air, (potable) water, oil, grease and fuel, weak acids and alkalines

### DELIVERY OPTIONS

Flange gaskets and sheets are available in thickness of

0,5mm, 1mm, 1,5mm, 2mm and 3mm. Other thicknesses available on request.. Standard gaskets can be supplied in accordance with ASME B16.21, EN12560-1 as well as EN1514-1. Non-standard or special gaskets can be manufactured according to customer drawings, or by given sizes or Edrawing.

### TEMPERATURE

Temperature from -30 °C up to +200 °C

### APPROVALS

- BS7531 Grade Y
- GL

- UBA ELL 'KTW'
- HTB
- DVGW
- W270

### CERTIFICATES

- TA-Luft

## TECHNICAL DATA

max Temperature [°C]	200
min Temperature [°C]	-30
max Pressure [bar]	85
density [g/cm <sup>3</sup> ]	1.7
Minimum initial stress [DIN E 2505 part 2] [N/mm <sup>2</sup> ]	17
Maximum initial stress [DIN E 2505 part 2] [N/mm <sup>2</sup> ]	180
M-Value	2.5
Y- Value [psi]	3900
min Seating stress [Qmin(L 0,01), mg/(s*m)] at RT 40 bar [N/mm <sup>2</sup> ]	30
ASTM F36 Recovery [% min]	55
Gasket required flange roughness [Ra micron]	3,2-6,3
Gasket required flange roughness [RMS]	125-250
max Seating stress [Qsmax bei RT EN13555] [n/mm <sup>2</sup> ]	180
Relaxation PQR (30 MPA 150°C) [%]	0.8
Residual seating stress , [QA=40 MPA, Qmin(L 0,01), mg/(s*m)] bei RT 40 bar [N/mm <sup>2</sup> ]	10
Tensile Strength (quer) DIN 52910 [N/mm]	6

### LOCATIONS

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