

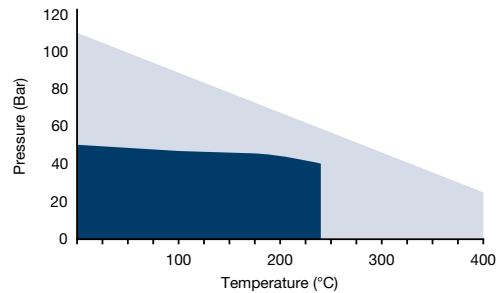
Description and Applications:

AF Oil is a compressed non-asbestos jointing-sheet material produced from Aramid fibres bonded with Nitrile Rubber (NBR).

AF Oil is indicated for air, water, low pressure steam, brine, organic and weak inorganic acids, diluted and concentrated alkalis, petroleum derivatives, synthetic and vegetable oils, aliphatic and chlorinated solvents, refrigerants, gases and chemical products in general.



Color	Blue
Dimensions	1500 x 1600; 1500 x 3200; 3000 x 3200;
Thickness	From 0,4 to 5,0 mm.



TECHNICAL DATA

Density	DIN 28090-2	g/cm ³	1.75
Max. Temperature		°C	400
Constant Working Temperature		°C	240
Max. Pressure		bar	110
Constant Working Pressure		bar	50
Compressibility	ASTM F36	%	7 - 17
Recovery	ASTM F36	%	45
Weight Increase			
5h / ASTM Oilio/Nr.3 / 150°C	ASTM F146	%	15
5h / ASTM Fuel B / +21-29°C	ASTM F146	%	15
Thickness Increase			
5h / ASTM Oilio/Nr.3 / 150°C	ASTM F146	%	12
5h / ASTM Fuel B / 23°C	ASTM F146	%	10
Tensile Strength (transverse)	ASTM F152	N/mm ²	11.5
Residual Stress	DIN 52913	N/mm ²	28
Creep Relaxation	ASTM F38	%	25
Sealability at 1000 psi	ASTM F37A	ml/h	0.25

¹Is not advised the use in the maximum temperature and at the same time with the maximum pressure.
²The maximum exercise's condition depend on many factor as the gasket's dimension, the clamping value between the flanges, etc

TIGHTENING TORQUE:

σ_{vu}	MPa	39
σ_{vo}		>180

	1,5 mm	2,0 mm	3,0 mm
Y (MPa)	20	24	24
m	2,0	2,2	2,4

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences KLINGER Italy has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. KLINGER Italy does not undertake any liability of any kind whatsoever. Is not advised the use in the maximum temperature and at the same time with the maximum pressure.