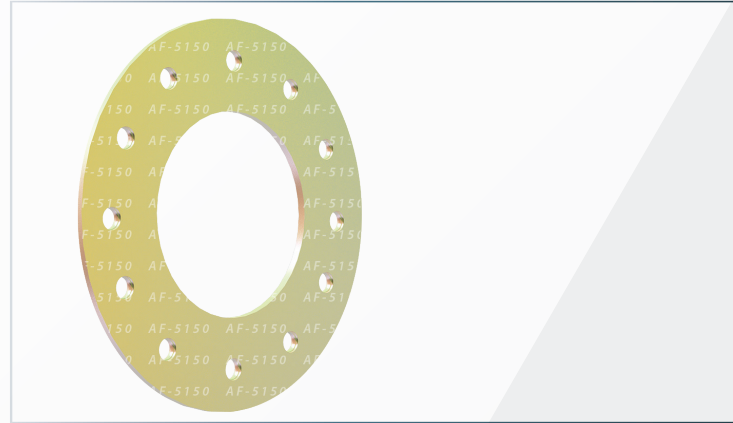


CNAF STYLE: AF-5150

Araflex designed AF 5150 to meet very common and general applications of low temperature and pressure joints. Highest quality of Aramid fiber in extra % added with inorganic fiber and superior quality NBR binder. Work well with water, sewage lines, mild chemicals, refrigerants, food, beverage, and pharmaceutical industries.



TYPICAL PROPERTIES

Color	Pale Yellow, Branded
Fiber:	Aramid Fiber, Mineral Fiber
Binder:	Nitrile Rubber (NBR)
Fluid Service:	Water, Fuels, Mild Chemicals, Hydrocarbons, Solvents, Refrigerants, food, and beverages.
Density:	1.7 g/cm ³
Tensile Strength ASTM F 152:	1972 psi (13.6 Mpa)
Change in Tensile, ASTM F-152	30% Max
Creep Relaxation ASTM F 38	21%
Compressibility ASTM F 36:	9 to 18%
Recovery ASTM F 36:	50%
Short Term Peak Temperature	250°C (482°F)
Max Continuous	150°C (302°F)
Minimum	-70°C (-94°F)
Max. Pressure:	1000 PSI (70 bar)
Fluid Resistance-ASTM F146 IRM 903 Oil, 5h/300°F (150°C)	
Thickness increase:	0 to 18%
Weight increase:	18%
ASTM Fuel B 5h/70°F (21°C)	
Thickness Increase:	0 to 12%
Weight increase:	12%





Sealability		
ASTM F 37 (Fuel A):	0.02ml/hr.	
ASTM F37 (Nitrogen):	0.45 ml/hr.	
Dielectric Breakdown ASTM D 149:	11.7kV/mm (297V/mil)	
DIN 3535 Gas Permeability:	0.03cc/min	
Flexibility ASTM F1 47:	10x	
Gasket Factors of Araflex-AF 5150		
Thickness (Inch)	1/16"	1/8"
m factor	2.2	4.6
y psi (Mpa)	1937(13.36)	1639 (11.3)

Note: ASTM properties based on 1/16" sheet thickness except ASTM F38, which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

Araflex Warning: Araflex gasket materials should never be recommended when both the temperature and the pressure are at the maximums listed. Properties and applications shown are typical. No application should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint, and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious personal injury. The data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. The information and specifications contained in this website are subject to change without notice.

Araflex AF- 5150

