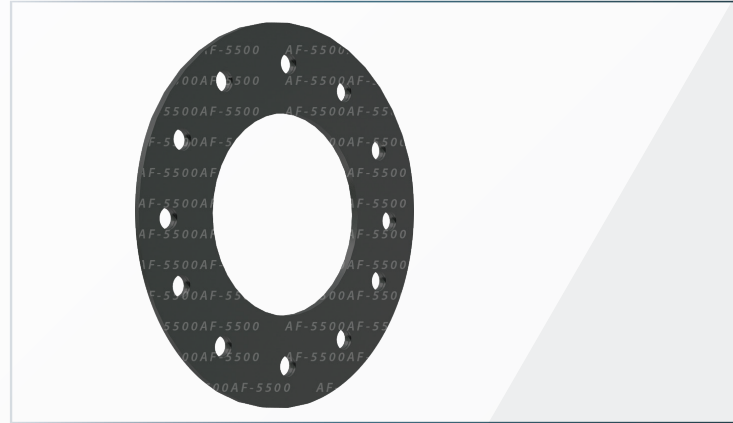


# CNAF STYLE: AF-5500

CNAF AF-5500/AF-5500W is specially designed for excellence in various critical applications and manufactured in large sizes of 3m x 3m specially for fabricating large diameter gaskets without joints. AF-5500W is reinforced with metal wire to assure high pressure applications as well. Highest quality of Aramid fiber in extra % added with inorganic fiber and superior quality NBR binder. Excellent with natural gas, Steam, new generation refrigerants, chemical, refinery, gas pipeline, food beverage and pharmaceutical industries.



## TYPICAL PROPERTIES

Color	Dark Grey, Branded	
Size Available (max):	3mtr L x 3mtr W	
Compliance:	BS 7531 Grade X	
Fiber:	Heat Resisting Aramid Fiber, Mineral Fiber	
Binder:	Superior Nitrile Rubber (NBR)	
Anti-Stick Coating:	Graphite Parting agent	
Fluid Service:	Steam, Air, Water, Natural gas, Fuels, Chemicals, Hydrocarbons, Solvents, Refrigerants, food, and beverages.	
Density:	1.8 g/cm <sup>3</sup>	
Tensile Strength ASTM F 152:	2000 psi (13.8 Mpa)	
Change in Tensile, ASTM F-152	30% Max	
Creep Relaxation ASTM F 38	21%	
Compressibility ASTM F 36:	8 to 12%	
Recovery ASTM F 36:	60%	
	AF-5500	AF-5500W (Wire)
Short Term Peak Temperature	450°C (842°F)	500°C (932°F)
Max Continuous	300°C (572°F)	350°C (662°F)
Steam	275°C (527°F)	325°C (617°F)
Min Temperature	-70°C (-100°F)	-70°C (-100°F)
Max. Pressure:	2175 PSI (150 bar)	2320PSI (160 bar)





Fluid Resistance-ASTM F146 IRM 903 Oil, 5h/300°F (150°C) Thickness increase:	0 to 15%	
Weight increase: ASTM Fuel B 5h/70°F (21°C) Thickness Increase: Weight increase:	15%	
Sealability ASTM F 37 (Fuel A): ASTM F37 (Nitrogen):	0 to 10%	10%
	0.01ml/hr.	0.33 ml/hr.
Dielectric Breakdown ASTM D 149:	11.7kV/mm (297V/mil)	
DIN 3535 Gas Permeability:	0.03cc/min	
Flexibility ASTM F1 47:	10x	
<b>Gasket Factors of Araflex-AF 5430</b>		
<b>Thickness (Inch)</b>	1/16"	1/8"
<b>m factor</b>	2.7	4.2
<b>y psi (Mpa)</b>	2500(117)	3000(20.7)

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.

