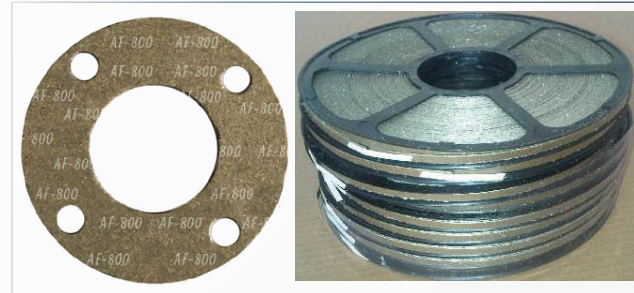


# Aralite-800 Vermiculite Tapes and Sheets

High temperature, high pressure & non-oxidizing

## Applications & Preparations:

Vermiculite is a natural mineral that expands while heated, made from hydrated laminar minerals appearance similar to Mica. Araflex Vermiculite is special for light weight, non-combustible, neutral pH, inert, compressible and non-reactive to most of the fluid media except some highly concentrated acids. This special material is highly recommended for the applications of fire protection, refractory and high temperature insulation. In gasket industry, where ever graphite and mica fail in long run due to oxidations, vermiculite fillers are the best replacement.



## Operating Conditions

Color: Dark Grey

Maximum Recommended Temperature	(°C/°F)	:	538/1000
Maximum Recommended Pressure	bar/psi	:	140/2030

## Physical Properties of Aralite-800 Vermiculite

Specific Gravity	ASTM D 792	:	1.72 g/cc
Compressibility	ASTM F36	:	12%
Recovery	ASTM F36	:	41%
Stress Retention @ 570c	DIN 3754	:	3630 psi
Gas Permeability	DIN 3754	:	<0.1 ml/min
Tensile Strength	ASTM F152	:	9 Mpa
Thickness increase ASTM Oil 3	ASTM F146	:	1.3%
Thickness increase Fuel B	ASTM F146	:	0.25%
Weight increase ASTM Oil 3	ASTM F146	:	16.7%
Weight increase Fuel B	ASTM F146	:	10.2%
Creep Relaxation	ASTM F38	:	20%

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice. Deviations from the values hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.

