



ALLSTATE GASKET MATERIAL SPECIFICATIONS

STYLE 1199 EXPANDED PTFE SHEETING

Features: Pure, multidirectionally expanded PTFE, asbestos free, chemically resistant to fluids from 0 to 14 in the pH range. Limitations for uses with fluorine and alkali metals at high temperature and pressure. Planiflon E does not age, does not harden and is the sealant that raises the qualities of PTFE and reduces their limitations.

Recommended Uses: Thanks to its unique structure, Allstate 1199 is able to face many application problems in the chemical, pharmaceutical and food industry where PTFE should be the best solution if it is able to offer improved mechanical characteristics in comparison to the full density, skived PTFE. Practically, the cold flow of this surface up to 100 N/nm². Planiflon is also particularly indicated for low clamping load applications in the presence of fragile flanges (graphite, glass, etc.) thanks to its very positive deformation curve, and grants long lasting and self operative life. FDA suitable (231 CFR 177.1550).

- Available in full rolls and trimmed sheets
- Can be supplied in cut-to-width strips
- Pressure sensitive adhesive backing is also available
- Sizes vulcanized to infinity

Operating Temperature: -450°F to +600°F

Sizes:

Thicknesses: 1/64" to 1/4"

<i>For Static Seals</i>	
Specific gravity oz/in ³	0.434 (DIN 3754)
Temperature (°F)	
Pressure (LBF/IN ²)	2.250
pH	0 - 14

Expanded PTFE Sheet		(Thick. Inch)	1/16"	1/8"
Compressibility	ASTM F36	%	69	66
Sealability Fuel A (iso-octane) Fuel B (nitrogen) @60psig	ASTM F-37B	ml/hr ml/hr	0.001 0.160	
Recovery	ASTM F36	%	7.4	11.6
Creep Relaxation	ASTM F-38	%	38	
Tensile Strength	ASTM F-152	PSI	1,630	2,106
Specific Gravity		Oz/in ³	0.434	0.434
ASTM factors:	"m"	N/mm ²	3.2	2.5
	"y"	Psi	24.5	20.09
	"y"		3,500	2,900