

ELABORATION	CONTROL	APPROVAL	CHRONO	DATE
F00212	C. ANGIBAULT	M. CABARDIS	26-083	01/01/2019

TECHNICAL MATERIAL DATA SHEET

Material n° : EPTFE1	Colour : Blanc / White
Base : PTFE expansé	

AA Physical property	Unit	Required	Results
Specific gravity (ISO 536)			0.65-0.85
Water absorption, 24 heures (D570)			0.01
Fire resistance (UL94)			V-0
Service temperatures (-100 + 250)			OK

AB Mechanical property	Unit	Required	Results
Creep relaxation, at 23°C (ASTM F38 B)			15
Compressibility (tested thickness: 2mm) (ASTM F36)			55-60
Recovery (tested thickness: 2mm) (ASTM F36)			14
Gb ROTT 1.5 mm/3mm (ASTM F2836-18)			725-800
A ROTT (ASTM F2836-18)			0.265-0.271
Gs ROTT (ASTM F2336-18)			$6.2 \cdot 10^{-2}$ - $8.4 \cdot 10^{-6}$

Z Compliant material	Unit	Required	Results
FDA 21 CFR 177.1550			OK
CE 1935			OK
USP CI VI			OK
VDI 2200 VDI 2440 VDI 2290			OK
BAM for gaseous and liquid Oxygen			OK

*The values are based on material slabs & buttons and are given as an indication.
We advise you to do your own tests validation.*