

PTFE & Improved PTFE Products
CAZ 450 Series

Joint Sheets

CONSTRUCTION:

CAZ 450 Pure PTFE Sheet

CAZ PTFE product includes **sheet, Tube (TU450), Rod (RO450), Film (FI450)** and gaskets etc., they are molded, skived or cut from 100% virgin PTFE. It has the best chemical corrosion resistance among known plastics. Without being aging, lowest friction coefficient, wear resistance. The unloaded operating temperature range is -180~+260⁰C.



CAZ 450F Filled PTFE Sheet

The filled PTFE products are molded PTFE resin mixed with the most frequently used filler materials such as glass fiber, carbon fiber and graphite etc. The filled PTFE has improved compression strength, better abrasion resistance, high thermal conductivity and lower thermal expansion compared with pure PTFE products.

PROPERTIES & APPLICATION:

Style	Products	Tensile Strength	Pressure Mpa	Density g/cm ³	Temperature °C
450	PTFE Sheet	15Mpa	10	2.1~2.3	-100 ~ 250
450F	Filled PTFE Sheet	10Mpa	16	2.1~2.3	-100 ~ 260
EX450	EPTFE sheet	Gore, Klinger, Garlock, Sealon etc., According to manufacturer			

Seal materials, electrical insulation parts, lining, oil less lubricating materials etc.

NORMAL DIMENSION:

Size(mm)	Thickness(mm)	tolerance
150X150	1.0~30	±0.30~±0.50
250X250	1.5~30	±0.30~±0.50
300X300	1.5~30	±0.30~±0.50
450X450	1.5~30	±0.30~±0.50
600X600	1.5~30	±0.30~±0.50
800X800	1.5~30	±0.30~±0.50
1000X1000	1.5~30	±0.30~±0.50
1200X1200	2~30	±0.30~±0.50
1000X2000	3~35	±0.30~±0.60
1500 X 1500	3~35	±0.30~±0.60
2000 X 2000	5~35	±0.30~±0.60



Cut gaskets ---G450

Dimension according to drawings or specifications and standards.



Typical Technical Data of PTFE Semifinished Materials

Property	Unit	Value
Density	Gms/cc	2.13 - 2.18
Tensile strength	Kg/cm ²	≥200
Elongation	%	≥250
Impact strength	Kg.cm/cm ²	≥13
Compressive strength at 1% def.	Kg/cm ²	≥40
Coefficient of thermal conductivity	Deg C	1.23×10 ⁻⁴
Volume resistivity	Ohm cm	≥10 ¹⁸
Surface resistivity	Ohm	≥10 ¹⁷
Safe Operating temperatures	Deg C	- 50 to 250 (biological, pharma, food applications) - 50 to 280 (Non-bio/food/ pharma applications)
Dielectric strength	KV/mm	≥60
Moisture / solvent absorption	-	Negligible
Combustibility	-	Non-combustible
Weather resistance	-	Excellent
Chemical resistance		Excellent, except for highly fluorinating agents

For more details, please contact CAZ Group by elastop@cazgroup.net