EXPANDED POLYTETRA FLUOROETHYLENE (EPTFE)

MATERIAL SPECIFICATIONS

FEATURES

- Standard Color : White
- Specfic Gravity : 0.83 g/cm^3
- Work Temperature : -180°C to +260°C

"Expanded Polytetrafluoroethylene(EPTFE)

Expanded Polytetrafluoroethylene(EPTFE) Beside exhibit the physical properties of solid PTFE, expanded PTFE is created by expanding the virgin PTFE to form a flexible, porous and compressible.

With its extremely compressible material manufactured from 100% virgin PTFE it is a FDA grade product making it popular for sealing material in food, beverage and pharmaceutical industries. Expanded PTFE has wide range of service temperature, it maintains high strength, toughness and good flexibility. -180 °C up to 260 °C. PTFE provides a unique combination of properties such as excellent chemical resistance, excellent dielectric properties, hydrophobic, very low coefficient of friction and high heat resistance.

PTFE are widely use is various industries like oil & gas, healthcare, food industry, aerospace, medical devices, textiles and pharmaceutical. PTFE is used to deal with extreme application as seals, paddles, scrapers, piston rings, micro machine valve parts, laboratory ware and etc."

Advantage
- FDA grade
- Excellent chemical resistance
- High temperature resistance
- Excellent flexibility
- Excellent compressibility

Applications
- Gasket and seals
- Pharmaceutical
- Automotive
- Electrical and electronics
- Food processing

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MATERIAL SPECIFICATIONS

SPECIFICATION	TEST METHOD	TEST RESULT	UNIT
Specific Gravity	GB/T22308	0.83	g/cm^3
Tensile Strength	ASTM D638	>25	Mpa
Compression rate/Compressibility	ASTM F-36	55+/-5	%
Resilience rate/Recovery	ASTM F-36	>15	%
Max Pressure	-	200	bar
Creep relaxation properties	ASTM F-38	70.6	%
Nitreogen Leakage rate	ASTM D695	0.23	ml.sec.