

CG414 Virgin Molded PTFE



Product Info

CG Virgin Molded PTFE exhibits excellent thermal, chemical and electrical resistant properties. It is suitable for use in wide variety of applications including capacitor films, cable harnesses, spacers, electrical insulation components, PCB's, flexible circuits, cap liners, plungers, stoppers, protective liners, gaskets, diaphragms, and other semiconductor processing components.

Performance

- It can withstand a continuous service temperature range of -300 to +500°F (-180 to 260°C) and provides a low-friction, non-stick surface suitable for use in high-temperature and high-dielectric applications.
- This material is highly inert to almost all known chemicals, except for elemental alkali metals, chlorine trifluoride and elemental fluorine at high temperatures and pressure.
- It is also insoluble in all solvents up to 300°C (572°F) temperature.



Technical Data

CG414 Virgin PTFE	Specification
Composition	PTFE (100%)
Tensile strength	2175 psi (≥15 MPa)
Elongation	150 to 400 %
Pressure Max.	1200 psi (8.2 MPa)
Density	138 lbs/ft ³
pH	0 - 14

	Specification
Dielectric Strength	10 kv/mm
Temperature Range	-300 to +500°F (-180 to 260°C)
Temperature Continuous, Max.	+500 °F (+260°C)
Thickness (in stock)	1/64", 1/32", 1/16", 3/32", 1/8", 3/16", 1/4", 3/8", 1/2"

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