



PAD Mechanical

PRODUCT PREFORMANCE COMPARISON

RATING	BEST	SECOND	THIRD	FOURTH	WORST
THERMAL PROPERTIES	TEFLON	SILICONE	POLYETHYLENE	RESINE	WAXES
BURNING RATE	NON-FLAMABLE	FLAMABLE	FLAMABLE	FLAMABLE	FLAMABLE`
THERMAL CONDUCTIVITY	6 X 10.4	0.988 X 10. ³	6 X 10.4	3.8 X 10.4	N/A
CHEMICAL EFFECT OF:					
SUNLIGHT	NONE	NONE	DEGRADES	DEGRADES	DEGRADES
ULTRAVIOLET	NONE	NONE	DEGRADES	DEGRADES	DEGRADES
AGING RT.	NONE	NONE	NONE	NONE	YELLOW
HOT WATER	NONE	DEGRADES	NONE	DEGRADES	DEGRADES
COLD WATER	NONE	DEGRADES	DEGRADES	DEGRADES	DEGRADES
% WATER ABSORPTION 24 hr AT 25° C	0.00	0.5 TO 5.0	0.00	2.0	0.9 TO 10.0
RESISTANCE TO:					
ACID – STRONG	VERY GOOD	GOOD	GOOD	FAIR	POOR
ACID - WEAK	VERY GOOD	GOOD	GOOD	FAIR	POOR
ALKALIS – STRONG	VERY GOOD	GOOD	GOOD	FAIR	POOR
ALKALIS – WEAK	VERY GOOD	GOOD	GOOD	FAIR	POOR
KETONE ACETONE	VERY GOOD	GOOD	GOOD	FAIR	POOR
ALL OILS: MINERALS, ANIMAL, VEGETABLE	VERY GOOD	GOOD	GOOD	FAIR	POOR
ALCOOL	VERY GOOD	GOOD	GOOD	FAIR	POOR



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TEFLON

Polytetrafluoroethylene (PTFE)

TEFLON is a registered trademark of DUPONT CTE since the discovery in 1938, Dupont and its licensed industrial applicators have marketed the coating for many uses, including polish sealants.

TEFLON is a substance that is basically inert to most chemicals, and is the lowest coefficient to friction known to man (.005 to .20), it handles a wide range of temperature up to 500 degrees Fahrenheit, and has unique non electrical properties.

TEFLON is a non-stick coating to which very few solids or liquid substances will adhere, the chemical resistance of Teflon makes it normally impervious to any chemical exposure and has excellent non-wetting properties that allows for easy clean up of the coated surface.

TEFLON has a high dielectric strength, low dissipation factor, and a very high surface resistivity. It can be used as an anti-static coating or as a paint sealant on your aircraft.

An application of Teflon on your aircrafts painted surfaces will:

- 1) Reduce parasitic drag, increase engine performance, and decrease fuel consumption.
- 2) Protects and maintains the longevity of the paint, by providing a barrier to the elements.
- 3) Enhances your corporate image by providing a bright, clean, and shiny aircraft for your clients.
- 4) Helps reduce static build up.