

PROTECTO PE PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>Performance</u>
Tensile Strength	ASTM D-876	100,000 psi
Elongation	ASTM D-876	20%
Specific Gravity	ASTM D-876	1.31
Moisture Absorbtion-24 hrs.	ASTM D-570	0.08%
Shrinkage @ 180°C		4%
Max. Operating Temp.	UL 224	125°C
Melt Temperature	ASTM- D-2117	250°
Low Temp. Flexibility	MIL I 23053	-70°C
Flexural Modulus - 10 ³ psi @ 73°F	ASTM- D790	400
Fungus Resistance	MIL STD 810 (508)	No Growth
Copper Corrosivity	MIL I 23053	No Effect

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FLUID RESISTANCE

Testing verifies that there is virtually no effect on the tensile strength and only a slight reduction in elongation (approx. 5%) of PROTECTO PE when exposed to the following fluids:
Cleaning Fluid, De-Icing Fluid, Fuel Oil, Gasoline, Hydraulic Fluid, Lubricating Oil, Salt Water, and Solvents.

PROTECTO FPE PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>Performance</u>
Tensile Strength	ASTM D-876	55,000 psi
Elongation	ASTM D-876	25%
Specific Gravity	ASTM D-876	1.31
Moisture Absorbtion-24 hrs.	ASTM D-570	0.08%
Shrinkage @ 180°C		4.2%
Max. Operating Temp.	UL 224	125°C
Melt Temperature	ASTM- D-2117	240°
Low Temp. Flexibility	MIL I 23053	-70°C
Flammability	UL 224	VW-1/FR-1
Flexural Modulus - 10 ³ psi @ 73°F	ASTM- D790	410
Fungus Resistance	MIL STD 810 (508)	No Growth
Copper Corrosivity	MIL I 23053	No Effect

FLUID RESISTANCE

Testing verifies that there is virtually no effect on the tensile strength and only a slight reduction in elongation of PROTECTO FPE when exposed to the following fluids:
Cleaning Fluid, De-Icing Fluid, Fuel Oil, Gasoline, Hydraulic Fluid, Lubricating Oil, Salt Water, and Solvents.