

# PW-75 TECHNICAL INFORMATION

Physical Properties	Test Method	Properties
Maximum Operating Temperature	Dynamic Mechanical Analysis	180°F
Tensile Strength	ASTM D-412	5675 psi
Elongation at break	ASTM D-412	640%
Tear resistance (Die C)	ASTM D-624	350 PLI
Abrasion Resistance	Tabor, mg loss @ 100 cycles	8 mg
Compression Set	ASTM D-575A	25%
Rebound	ASTM D-3574	40%
Hardness	ASTM D2240	75 Shore A

Jet Fuel Soak Test 96 hrs. at 153°F	Before Immersion	After Immersion	% Change
Tensile Strength	5496 psi	5285 psi	-3.8 %
Elongation at break	640 %	729 %	+13.9 %
Hardness	73 Shore A	66 Shore A	-7.0 %
Volume Change	-	-	+6.0 %

Crude Oil Soak Test 96 hrs. at 153°F	Before Immersion	After Immersion	% Change
Tensile Strength	5496 psi	5135 psi	-6.6 %
Elongation at break	640 %	681 %	+6.4 %
Hardness	73 Shore A	68 Shore A	-5.0 %
Volume Change	-	-	+5.3 %

## CHEMICAL COMPATIBILITY CHART

Chemical	Rating	Chemical	Rating
AV-Gas	1	Gasoline (Unleaded)	1
Benzene	4	Heptane	1
Benzene (Gasoline)	2	Hexane	1
Butyl Alcohol	2	Jet "A" Fuel	1
Crude Oil (Sour)	1	JP-4 Jet Fuel	1
Crude Oil (Low Sulfur)	1	Kerosene	1
Distillate Gasoline (40% Aromatic)	1	Methyl Alcohol (Methanol)	4
Ethyl Alcohol (Ethanol)	2-3	Methyl Ethyl Ketone (MEK)	4
Fuel Oil	1	Naphthalene	1-2
Gasoline/Ethanol	1	Sea Water	1-2
Gasoline/MTBE 80/20	1	Xylene	3

### Chemical Compatibility

1 – Suitable for continuous liquid and vapor service.

2 – Suitable for intermittent liquid and continuous vapor service.

3 – Suitable for intermittent service.

4 – Not recommended.