

Compound

**23775**ETHYLENE-PROPYLENE  
70 DUROMETER - WHITE COLOR  
FDA SANCTIONED MATERIAL**PRODUCT DATA SHEET**

Compound 23775 is a 70 durometer white colored EPDM elastomer, it is formulated with FDA sanctioned materials. It will remain non brittle at low temperatures.

This compound will meet or exceed the specifications listed and has the following physical properties:

CFR 21 177.2600

**Original Properties**

Modulus @ 100% Elongation	332 psi	2.3 MPa
Tensile Strength	775 psi	5.3 MPa
Ultimate Elongation	333 %	
Hardness, Shore A	75 Durometer	
Specific Gravity	1.18 grams/cc	
Brittleness Temperature	< -80 °F	< -62 °C
TR-10 Temperature	-46 °F	-43 °C
Tear Resistance, Die B	95.0 ppi	16.6 kN/m
Tear Resistance, Die C	116.0 ppi	20.3 kN/m

**Compression Set**

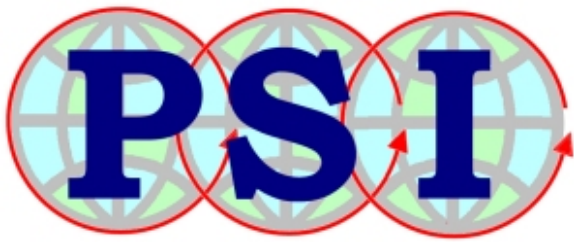
Solid: 22 hrs @ 158°F (70°C)	26.2 %
Solid: 22 hrs @ 212°F (100°C)	29.5 %
Solid: 70 hrs @ 212°F (100°C)	25.0 %
Plied: 22 hrs @ 158°F (70°C)	4.8 %
Plied: 22 hrs @ 212°F (100°C)	18.1 %
Plied: 70 hrs @ 212°F (100°C)	32.9 %

**HEAT AGED: 70 hrs @ 158°F (70°C)**

Change - Tensile Strength	+ 36.6 %
Change - Elongation	+ 23.8 %
Change - Hardness, Shore A	+ 2

**HEAT AGED: 70 hrs @ 212°F (100°C)**

Change - Tensile Strength	+ 55.2 %
Change - Elongation	+ 1.2 %
Change - Hardness, Shore A	+ 5



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**HEAT AGED: 70 hrs @ 257°F (125°C)**

Change - Tensile Strength	+ 87.5 %
Change - Elongation	- 15.3 %
Change - Hardness, Shore A	+ 7

**HEAT AGED: 70 hrs @ 257°F (125°C) Test Tube Method**

Change - Tensile Strength	+ 87.5 %
Change - Elongation	- 15.3 %
Change - Hardness, Shore A	+ 7

**DISTILLED WATER AGED: 70 hrs @ 212°F (100°C)**

Change - Hardness, Shore A	- 1
Change - Volume	+ 2.5 %