PRECISION ASSOCIATES, INC.
Rubber Seal Solutions...YOUR WAY!

Compound
19711 (New)
SILICONE
70 DUROMETER
SALMON COLOR

PRODUCT DATA SHEET

Compound 19711 is a 70 durometer salmon colored general purpose Silicone elastomer. It exhibits good resistance to heat and compression set and will remain non brittle at very low temperatures.

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

ASTM D2000 3 FC 710 A19 B37 EO16 F1-11 EA14

5 GE 709 A19 B37 EA14 EO16 EO36 G11 F19
7 GE 707 A19 B37 EA14 EO16 EO36 G11 F19
6 GE 704 A19 B37 EA14 EO16 EO36 G11 F19

AMS 3304
AMS 7268
ZZ-R-765 Class 2a & 2b Grade 70
A-A-59588 Class 2a & 2b Grade 70

Original Properties

Modulus @ 100% Elongation		405	psi	2.8	MPa
Tensile Strength		1,301	psi	9.0	MPa
Ultimate Elongation		326	%		
Hardness, Shore A		70	Durometer		
Specific Gravity		1.22	grams/cc		
Brittleness Temperature	<	-85	°F	< -65	°C
TR-10 Temperature		-49	°F	-45	°C
Tear Resistance, Die B		122	ppi	21.4	kN/m
Tear Resistance, Die C		90	ppi	15.8	kN/m

Compression Set

Plied: 22 hrs @ 347°F (175°C)	19.5 %
Plied: 70 hrs @ 302°F (150°C)	20.1 %

HEAT AGED: 70 hrs @ 392°F (200°C)

Change - Tensile Strength	- 9.3 %
Change - Elongation	- 20.6 %
Change - Hardness, Shore A	+ 2

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HEAT AGED: 70 hrs @ 437°F (225°C)	
Change - Tensile Strength	- 18.8 %
Change - Elongation	- 29.4 %
Change - Hardness, Shore A	+ 3

DISTILLED WATER AGED: 70 hrs @ 212°F (100°C)	
Change - Hardness, Shore A	- 2
Change - Volume	- 0.1 %

ASTM OIL #1 (IRM 901): 70 hrs @ 302°F (150°C)	
Change - Tensile Strength	- 12.8 %
Change - Elongation	- 15.6 %
Change - Hardness, Shore A	- 5
Change - Volume	+ 6.0 %

ASTM OIL #3 (IRM 903): 70 hrs @ 302°F (150°C)	
Change - Hardness, Shore A	- 18
Change - Volume	+ 46.4 %

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