



O-RINGS, INC.
 3311 PEPPER AVENUE
 LOS ANGELES, CA 90065
 PHONE (323) 343-9500
 FAX (323) 343-9505
 info@oringsUSA.com

M83461/1 REPORT DATA

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>MIL-P-83461B SPECIFICATION</u>	<u>ACTUAL SIZE: 2-222 O-RINGS</u>
Hardness, Shore A, pts.	75 +/- 5	78
Tensile Strength, psi., min.	1350	1683
Elongation, % min.	125	135
Specific Gravity	--	1.22
Tensile Stress, psi. @ 100% elongation, min.	650	693
TR-10F, max.	- 49	- 56
<u>CORROSION & ADHESION</u>		
2024 Aluminum	None	None
6061 Aluminum	None	None
7075 Aluminum	None	None
440C Stainless Steel	None	None
303 Stainless Steel	None	None
4130 Steel, max.	Slight	Slight
<u>AFTER AGING IN MIL-H-5606 70 HRS. @ 275F</u>		
Hardness Change, pts.	+ 5, - 10	70 (- 8)
Tensile Strength Change, %, max.	50	1287 (- 23.5)
Elongation Change, %, max.	35	131 (- 3.0)
Volume Change, %	10 to 20	+ 13.3
Compression Set, % max.	40	14.3
TR-10, F, max. (ASTM-D-1329-79)	- 49	- 49
<u>AFTER AGING IN MIL-H-83282 70 HRS. @ 275F</u>		
Hardness Change, pts.	+ 5, - 10	72 (- 6)
Tensile Strength Change, % max.	40	1188 (- 29.4)
Elongation Change, %, max.	40	114 (- 15.6)
Volume Change, %	5 to 15	+ 6.0
Compression Set, % max.	45	20.0
TR-10, F, max. (ASTM-D-1329-79)	- 49	- 52
<u>AFTER AGING IN AIR, 60 DAYS @ 75F</u>		
Compression Set, % max.	25	8.6
<u>AFTER AGING IN MIL-H-5606 60 DAYS @ 75F</u>		
Compression Set, % max.	20	17.1
<u>AFTER AGING IN MIL-H-5606 70 DAYS @ 275F</u>		
Compression Set, % max.	60	48.6