



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

REPORT DATA

ORIGINAL

MIL-R-83485
 TYPE 1, O-RINGS &
COMPRESSION SEALS

Specific Gravity	As determined
Hardness points	75 +/- 5
Tensile Strength, psi. min.	1600
Elongation, % min.	120
Temperature Retraction, 10% (TR-10), F, max.	-20

AFTER AIR AGING, 70 HRS. @ 75° + 5F, Compression Set
 % of original deflection, max. 25

AFTER AGING, 70 HRS. @ 75F IN TT-S-735, TYPE III
 Hardness Change, pts. +5
 Tensile Strength decrease, %, max. 30
 Elongation decrease, %, max. 20
 Volume change, %, max. 1 to 10

AFTER AIR AGING, 70 HRS. @ 528° +/- 5F
 Hardness change, pts. +5
 Tensile Strength decrease, % max. 35
 Elongation decrease, %, max. 10
 Weight loss, %, max. 12

AFTER AIR AGING, 166 HRS @ 347° +/- 5F, COMPRESSION SET
 % of original deflection, max. 25
 18 hrs. cooling

AFTER AIR AGING, 22 HRS @ 392° +/- 5F, COMPRESSION SET
 % of original deflection, max. 20

AFTER AGING, 70 HRS. MIL-R-83485
 @ 347° MIL-R-83485 TYPE 1, O-RINGS %
 +/-5F in AMS-3021 COMPRESSION SEALS

Hardness change, pts	+0, -15
Tensile Strength decrease, %, max.	35
Elongation decrease, %, max.	20
Volume change, %	1 to 20
Compression set, % of original deflection, max.	10
18 hr. cooling	