



O-Ring Division  
2360 Palumbo Drive  
Lexington, KY 40509  
(859) 269-2351

Date: 1/25/2010  
Compound: NM071  
Batch: 80115951  
Part Size: 2-214  
Specification: AMS-R-7362  
LTR Number: 68305  
Test Lab Location: Lexington  
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## LABORATORY TEST REPORT

AMS-R-7362

<u>Original Physical Properties</u>	<u>Test Method</u>	<u>Spec Limits</u>	<u>Test Results</u>
Hardness, Shore A, pts.	ASTM D2240	70±5	68
Tensile Strength, psi	ASTM D412	1200	1779
Ultimate Elongation, %	ASTM D412	250	280
Specific Gravity	ASTM D297	As determined	1.33
Temperature Retraction TR-10 10% ,max	ASTM D1329	-40°F	-42°F
<b>Compression Set</b> 22 hrs. @ 275°F Percent of Original Deflection, max Over 0.110 inch	ASTM D395 Method B	55	37
<b>Compression Set</b> 22 hrs. @ 257°F Percent of Original Deflection, max	ASTM D395 Method B	55	43
<b>Compression Set</b> 70 hrs. @ 257°F Fluid MIL-L-7808 Percent of Original Deflection, max	ASTM D395 Method B	50	41
<b>Fluid Immersion</b> 70 Hrs @ 125°C Fluid MIL-L-7808	ASTM D471		
Hardness, Shore A, pts.		±10	+2
Tensile Strength, psi		50	+1
Ultimate Elongation, %		60	-24
Volume Change, %		2 to 15	+9
Cracking, diameter, inches, min (Type I)		1.75	No Cracks
Temperature Retraction TR-10, max	ASTM D1329	-30°F	-32°F
<b>Air Aged</b> 70 Hrs @ 257°F	ASTM D471		
Hardness, Shore A, pts.		-0, +20	+17
Tensile Strength, psi		20	+7
Ultimate Elongation, %		60	-49
<b>Corrossion and Adhesion</b> 2 weeks @ 92% Humidity @ RT			
Aluminum, Alloy	QQ-A-250/4	Pass	Pass
Brass	QQ-626	Pass	Pass
Phosphate Bronze	QQ-P-750	Pass	Pass
Steel	MIL-S-18729	Pass	Pass

Corrossion and Adhesion performed by T. Pingleton

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"The recording of false, fictitious, or fraudulent statements or entries on this report may be punishable as a felony under federal law."

Tested By: Mary Douglas  
Mary Douglas, Lab Tech I

Approved By: Linda Ziegler  
Linda Ziegler, Division Technical Director