



O-Ring Division
2360 Palumbo Drive
Lexington, KY 40509
(859) 289-2351



CONTACT US

Date: 1/25/2009
Compound: LM159-70
Batch: 31002825
Part Size: AS568-214
Specification: MIL-DTL-25988C
Test Lab Location: Lexington
LTR Number: 67530
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LABORATORY TEST REPORT

MIL-DTL-25988C Type I Grade 70

<u>Original Physical Properties</u>	<u>Test Method</u>	<u>Specification Limits</u>	<u>Test Results</u>
Hardness, Shore A, pts.	ASTM D2240	70±5	71
Tensile Strength, psi min	ASTM D1414	750	854
Ultimate Elongation, % min	ASTM D1414	125	249
Specific Gravity	ASTM D297	As Determined	1.58
TR-10, °F max	ASTM D1329	-70	-83
<u>Compression Set, 70 hrs. @ 75 ± 5°F</u>			
Compression set, % max	ASTM D1414		
	ASTM D395		
Under 0.110 inch		15	
Over 0.110 inch		15	14
<u>Air Aged, 70 hrs. @ 392 ± 5°F</u>			
Hardness Change, pts.	ASTM D1414		
	ASTM D573	+10, -5	+4
Tensile Change, % max		-25	-11
Elongation Change, % max		-25	-23
Weight Loss, % max		2	0
<u>Compression Set, 22 hrs. @ 347 ± 5°F</u>			
Compression set, % max	ASTM D1414		
	ASTM D395		
Under 0.110 inch		30	
Over 0.110 inch		30	26
<u>Oil Aged</u>			
<u>AMS3021, 70 hrs. @ 302 ± 5°F</u>			
Hardness Change, Shore A pts.	ASTM D1414		
	ASTM D471	±15	-8
Tensile Strength Change, % max	ASTM D471	-40	-7
Ultimate Elongation Change, % max	ASTM D471	-25	-4
Volume Change, %	ASTM D471	+1 to +15	+9
Compression Set, % max	ASTM D395		
Under 0.110 inch		30	
Over 0.110 inch		30	21
<u>Oil Aged</u>			
<u>AMS2629 Type 1, 70 hrs. @ 75 ± 5°F</u>			
Hardness Change, Shore A pts.	ASTM D1414		
	ASTM D471	-20	-8
Tensile Strength Change, % max	ASTM D471	-50	-17
Ultimate Elongation Change, % max	ASTM D471	-40	-14
Volume Change, %	ASTM D471	+1 to +25	+19

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Tested By: 
David Stidham Lab Tec II

Approved By: 
Linda Ziegler, Division Technical Director