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

Date:	9/26/2007
Compound:	NM506
Batch:	80063384
Part Size:	2-214
Specification:	AMS-7271 H
Customer:	
Test Lab Location:	LEXINGTON
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LABORATORY TEST REPORT

Original Physical Properties	Test Method	Spec Limits	Test Results
Hardness, Shore A, pts.	ASTM D2240	65±5	64
Tensile Strength, psi.min	ASTM D1414	1200	1749
Ultimate Elongation, % min	ASTM D1414	200	364
Specific Gravity	ASTM D297	±0.02	1.24
Corrosion	ASTM D1414	Nil	Nil
Aromatic and Non-Aromatic Fuel:			
Fuel A, 70 hrs @ 68-86°F	ASTM D471	Postive Swell	+11
Fuel B, 70 hrs @ 68-86°F Volume Change % max		+40 to +70	+59
Dry Out, 48 hrs @ 158°F (after 70 hr @ R.T. Fuel B) Volume change % max.		-15	-10
Fuel A, 5 hrs @ 68-86°F (after 48 hr dryout) Volume Change % max.		-5	-1
Compression Set **70 hrs. @ 257°F**			
Percent of Original Deflection, % max	ASTM D395 Method B		
Ring Cross Section Diameter, inch			
0.066 to 0.110, in., incl.		85	--
Over 0.110 in.		75	64
Dry Heat Resistance **70 hrs. @ 257°F**			
Hardness Change, Shore A, pts	ASTM D573	0 to +15	+10
Tensile Strength Change, % max.		-25	+27
Elongation Change, % max.		-50	-36
Bend (Flat)		No Cracking or Checking	No Cracking or Checking
Simulated Component Test:	AMS 7271 H ** See Attached Report	Pass	Pass
Dry Neckdown Test:	AMS 7271 H	Pass	Pass
Wet Neckdown Test:	AMS 7271 H	Pass	Pass
Low Temperature Flexibility			
As Received, Max. -50°C (-58°F)		Pass	Pass
After immersion in Aromatic fuel and drying, max. -47°C (-53°F)		Pass	Pass

****ATTACHED TEST REPORT**

Tested By: Tammy Blount
Tammy Blount, Laboratory Technician II

Approved By: Linda Ziegler
Linda Ziegler, Division Technical Director