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

SEAL COMPANY
Contact Us

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

"Purchaser use only. Reproduce only in full. Data pertains to items referenced only."
"The recording of false, fictitious, or fraudulent statements or entries on this report may be punishable as a felony under federal law."

****ATTACHED TEST REPORT**

Tested By: Tammy Blount
Tammy Blount, Laboratory Technician II

Approved By: Linda Ziegler
Linda Ziegler, Division Technical Director