



2360 Palumbo Drive (606)269-2351  
Lexington, KY 40512

Date: 11/09/01  
Compound: V8545-75  
Batch: 40000216  
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## COMPOUND DATA SHEET

	<b>AMS 7257C</b>	<b>V8545-75</b>
	<b>Requirements</b>	<b>2-214 O-Ring</b>
		<b>Results</b>
<b><u>Original Physical Properties, ASTM D1414, D2240</u></b>		
Hardness, (Shore A), pts.	75 ±5	78
Tensile Strength, min., psi.	1500	1895
Ultimate Elongation, min., %	120	204
<b><u>Fluid Resistance,</u></b>		
<b><u>AMS 3021 (70 h @ 175°C) ASTM D471</u></b>		
Hardness Change, pts.	-5 to +5	-2
Tensile Strength Change, max., %	-10	+7
Ultimate Elongation Change, max., %	-15	+7
Volume Change, %	0 to +5	+1.6
<b><u>Fluid Resistance,</u></b>		
<b><u>AS 1241 (70 h @ 125°C) ASTM D471</u></b>		
Hardness Change, pts.	-15 to 0	0
Tensile Strength Change, max., %	-40	-19
Ultimate Elongation Change, max., %	-15	+2
Volume Change, %	0 to +15	+2.6
<b><u>Fluid Resistance,</u></b>		
<b><u>ASTM Fuel B (70 h @ 23°C) ASTM D471</u></b>		
Hardness Change, pts.	-5 to +5	+1
Tensile Strength Change, max., %	-20	-8
Ultimate Elongation Change, max., %	-15	-5
Volume Change, %	0 to +5	+0.3
<b><u>Heat Age,</u></b>		
<b><u>(70 h @ 290°C) ASTM D573</u></b>		
Hardness Change, (Shore A), pts.	-5 to +5	-2
Tensile Strength Change, max., %	-20	-2
Ultimate Elongation Change, max., %	-5	+7
Weight Loss, max., %	5	+3.0
<b><u>Compression Set,</u></b>		
<b><u>(70 h @ 230°C) ASTM D395</u></b>		
Percent of Original Deflection, max., %	40	38
<b><u>TR-10, ASTM D1329</u></b>		
TR-10, max., °C	+5	-6



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