



Parker Hannifin  
O-Ring Division  
2360 Palumbo Drive  
Lexington, KY 40509

Jun 8, 2010

Dear Values Customer,

The Parker O-Ring Division is continually making improvements in our process to service our customers. In doing so, we have developed a new compound, SM355-75, to replace the now obsolete compound SO355-75. The new compound, SM355-75, is based on a modified SO355-75 and meets the AMS 7267 military specification. A laboratory report with SM355-75 results compared to the AMS 7267 requirements is attached. The goal is to provide you with the same high quality parts as you have been receiving and the move to compound SM355-75 will achieve this goal.

For further information, please contact your Parker Hannifin Customer Service Representative.

We appreciate your time and consideration in this matter and thank you for your continued use of our products.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Ziegler".

Linda Ziegler  
Divisional Technology Manager  
(859) 268-5059  
cell 859-806-6934  
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Recommendations on application design and material selection are based on available technical data and are offered as suggestions only. Each user should make their own tests to determine the suitability for their own particular use.

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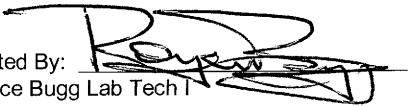
O-Ring Division  
 2360 Palumbo Drive  
 Lexington, KY 40509  
 (859) 269-2351


Date: 6/8/2010  
 Compound: SM355-75  
 Batch: 0031003092  
 Part Size: T0606075/2-214  
 Specification: AMS7267G  
 Customer:  
 Test Lab Location: Lexington  
 LTR: 71807  
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## LABORATORY TEST REPORT

<u>Original Physical Properties</u>	<u>Test Method</u>	<u>Spec Limits</u>	<u>Test Results</u>
Hardness, Shore A, pts.	ASTM D2240	75±5	75
Tensile Strength, psi	ASTM D1414	650	791
Ultimate Elongation, %	ASTM D1414	125	189
Specific Gravity, +/- 0.05	ASTM D297	1.34	1.34
<b><u>Compression Set</u></b> <b><u>22 hrs. @ 225°C</u></b>			
Percent of Original Deflection, max	ASTM D395 Method B		
0.066 to 0.110 inch		70	
Over 0.110 inch		60	32
<b><u>Dry Heat Resistance</u></b> <b><u>(70 hrs. @ 250°C)</u></b>			
Hardness Change, pts.	ASTM D573	-5 to +10	+4
Tensile Change, %		-30	-30
Elongation Change, %		-45	-35
<b><u>Fluid Immersion</u></b> <b><u>IRM 901 Oil, (70 hrs. @ 175°C)</u></b>			
Hardness Change, Shore A pts.	ASTM D471	-10 to +5	-4
Tensile Strength Change, %		-30	-20
Ultimate Elongation Change, %		-30	-21
Volume Change, %		0 to +15	+8
<b><u>Corrosion</u></b>	ASTM D1414	NIL	NIL
<b><u>Low Temperature</u></b>			
TR-10, °C, max	ASTM D1329	-42	-43
<b><u>Compression Deflection ARDL</u></b>			
20% Deflection @ 20 to 30 C	ASTM D575	200	331
At 250 C		150	237
<b><u>Polymer Reversion ARDL</u></b>			
Original	AMS7267G Para 4.5.2	75±5	77
Hardness change, max		-10	-1

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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:   
 Royce Bugg Lab Tech I

Approved By:   
 Linda Ziegler, Division Technical Director