Parker Hannifin Corporation
Engineered Seals Division
501 S Sycamore St, Syracuse IN 46567
Ph: 574-528-9400 Fx: 574-528-9640

COMPOUND: LM256-70
SPECIFICATION: AMS-R-25988 Type 1, Class 1, Grade 70 (2-214 O'rings)
DATE: March 23, 2012

	Specification	Results
ORIGINAL PHYSICAL PROPERTIES:		
Hardness, Shore A Points (D2240) **Z1**	70±5	68
Tensile, psi (D412)	750 min.	984
Elongation, % (D412)	125 min.	222
HEAT RESISTANCE: (D573)		
70 hrs. @ 392 °F		
Hardness Change, points	-5 to +10	+2
Tensile Change, %	-25 max.	-8
Elongation Change, %	-25 max.	-10
Weight Change, %	-2 max.	-1
COMPRESSION SET: (D395B)		
70 hrs. @ 75 °F (O'ring segment)		
Over 0.110 inch, Set, %	15 max.	10
COMPRESSION SET: (D395B)		
22 hrs. @ 347 °F (O'ring segment)		
Over 0.110 inch, Set, %	30 max.	18
FLUID RESISTANCE: (D471)		
22 hrs. @ 75 °F, TT-S-735 Type III		
Hardness Change, points	-20 max.	-8
Tensile Change, %	-45 max.	-17
Elongation Change, %	-35 max.	-5
Volume Change, %	+1 to +25	+21
FLUID RESISTANCE: (D471)		
70 hrs. @ 302 °F, AMS 3021C Reference Fluid		
Hardness Change, points	±15	-4
Tensile Change, %	-40 max.	-19
Elongation Change, %	-25 max.	-13
Volume Change, %	+1 to +15	8
Over 0.110 inch, Set, %	30 max.	10
LOW-TEMPERATURE RESISTANCE: (D2137)		
Temperature of Retraction, TR-10 °F	-70 max.	-83