



Parker Hannifin Corporation
Engineered Seals Division
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COMPOUND: VP250-90
SUBJECT: MATERIAL TEST REPORT
DATE: October 7, 2011

	<u>Result</u>
<u>ORIGINAL PHYSICAL PROPERTIES:</u>	
Hardness, Shore A (D2240)	90
Tensile, psi (D412)	3873
Elongation, % (D412)	116
100% Modulus, psi (D412)	3307
Base Polymer	TFE/P
Color	Black
HEAT RESISTANCE: (D573)	
<u>168 hrs. @ 400 °F</u>	
Hardness Change, points	No Change
Tensile Change, %	-7
Elongation Change, %	-3
COMPRESSION SET: (D395B)	
<u>22 hrs. @ 400 °F (Plied)</u>	
Set, %	18
DISTILLED WATER: (D471)	
<u>70 hrs. @ 450 °F (Pressure Vessel)</u>	
Hardness Change, points	-5
Tensile Change, %	-1
Elongation Change, %	+38
Volume Change, %	+2
No. 2 DIESEL: (D471)	
<u>70 hrs. @ 300 °F (Pressure Vessel)</u>	
Hardness Change, points	-18
Tensile Change, %	-38
Elongation Change, %	-17
Volume Change, %	+26