



Parker Hannifin Corporation

Engineered Seals Division

501 S Sycamore St, Syracuse IN 46567

Ph: 574-528-9400 Fax: 574-528-9640

COMPOUND: VW252-65
SPECIFICATION: GMN 8423 Type II
DATE: April 20, 2006

	<u>Specification</u>	<u>VW252-65</u>
<u>ORIGINAL PHYSICAL PROPERTIES:</u>		
Hardness, Shore A Points (D2240)	65±5	67
Tensile, MPa (D412)	8.5 min.	10.6
Elongation, % (D412)	175 min.	298
Tensile Stress at 100% Elongation, MPa (D412)	2.0 min.	2.6
Tear Strength, Die C, kN/m (D624)	14 min.	15
COMPRESSION SET: (D395B)		
<u>336 hrs. @ 200°C, Plied</u>		
Set, %	60 max.	48
HEAT RESISTANCE: (D573)		
<u>70 hrs. @ 250°C</u>		
Hardness Change, Points	+5 max.	-1
Tensile Change, %	-20 max.	-1
Elongation Change, %	-20 max.	-5
HEAT RESISTANCE: (D573)		
<u>1000 hrs. @ 150°C</u>		
Hardness Change, Points	+5 max.	+4
Tensile Change, %	-20 max.	+6
Elongation Change, %	-20 max.	-5
SOUR GASOLINE PN 50: (D471)		
<u>336 hrs. @ 60°C</u>		
Hardness Change, Points	-20 max.	-12
Tensile Change, %	-50 max.	-37
Elongation Change, %	-25 max.	-14
Volume Change, %	+20 max.	+14
CE10 FUEL: (D471)		
<u>70 hrs. @ 23°C</u>		
Hardness Change, Points	-10 max.	-8
Tensile Change, %	-50 max.	-35
Elongation Change, %	-20 max.	-8
Volume Change, %	+10 max.	+6



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TF2W FUEL: (D471)		
<u>1000 hrs. @ 60°C</u>		
Hardness Change, Points	-20 max.	-16
Tensile Change, %	-60 max.	-45
Elongation Change, %	-25 max.	-10
Volume Change, %	+25 max.	+20
<u>LOW-TEMPERATURE RESISTANCE: (D1329)</u>		
Temperature of Retraction, TR-10, °C	-5 max.	-7
PERMEATION CONSTANT: (Thwing-Albert Cup Method)		
<u>CE10 Fuel @ 40°C</u>		
(g*mm)/(m ² *day)	40 max.	34
COMPRESSION STRESS RELAXATION:		
(Modified Wykeham Farrance Jig, 0.25 in x 0.51 in Solid Button)		
<u>1008 hrs. @ 150°C Dry Air</u>		
Initial Retained Force, %	25 min.	28
Relaxed Retained Force, %	35 min.	52