



Parker Hannifin Corporation  
 Engineered Seals Division  
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**COMPOUND:** SM265-70  
**SPECIFICATION:** ASTM D2000: M2GE706A19B37EA14EO16F19Z1  
**DATE:** June 3, 2015

	<u>Specification</u>	<u>Results</u>
<b><u>ORIGINAL PHYSICAL PROPERTIES:</u></b>		
Hardness, Shore A Points (D2240)	70±5	71
Tensile, MPa (D412)	6.0 min.	7.6
Elongation, % (D412) <b>Z1</b>	125 min.	175
Specific Gravity (D297)	1.41±0.03	1.420
<b>HEAT RESISTANCE: (D573)</b>		
<b><u>70 hrs. @ 225 °C</u></b>		
Hardness Change, points	+10 max.	+6
Tensile Change, %	-25 max.	-21
Elongation Change, %	-30 max.	-26
Surface Condition	No Cracks	No Cracks
<b>COMPRESSION SET: (D395B)</b>		
<b><u>22 hrs. @ 175 °C (Plied)</u></b>		
Set, %	25 max.	16
<b>DISTILLED WATER: (D471)</b>		
<b><u>70 hrs. @ 100 °C</u></b>		
Hardness Change, points	±5	-1
Volume Change, %	±5	-1
<b>IRM 901 OIL: (D471)</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Hardness Change, points	0 to -10	-2
Tensile Change, %	-30 max.	-5
Elongation Change, %	-30 max.	-1
Volume Change, %	0 to +15	+4
<b>IRM 903 OIL: (D471)</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Volume Change, %	+60 max.	+40
<b><u>LOW-TEMPERATURE RESISTANCE: (D2137)</u></b>		
Brittlepoint, 3 minutes @ -55 °C	Nonbrittle	Pass

**Z1 = ORIGINAL PROPERTIES**

Elongation, % (D412) 125 min.