



Parker Hannifin Corporation
 Engineered Seals Division
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COMPOUND: KA280-80
SPECIFICATION: ASTM D2000 M3DH810A26B36EO16EO36Z1Z2
DATE: April 26, 2010

<u>ORIGINAL PHYSICAL PROPERTIES:</u>	<u>Specification</u>	<u>KA280-80</u>
Hardness, Shore A Points (D2240)	80±5	78
Tensile, MPa (D412)	10	17.6
Elongation, % (D412)	175	418
100% Modulus, MPa (D412)	NA	6.0
HEAT RESISTANCE: (D865) Z1		
<u>70 hrs. @ 150 °C</u>		
Hardness Change, points	±15	+10
Tensile Change, %	±30	+4
Elongation Change, %	-70 max	-54
COMPRESSION SET: (D395B)		
<u>22 hrs. @ 150 °C (Plied)</u>		
Set, %	50 max	47
IRM 901 OIL: (D471) Z2		
<u>70 hrs. @ 150 °C</u>		
Hardness Change, points	+15 max	+8
Tensile Change, %	-25 max	+6
Elongation Change, %	-25 max	-18
Volume Change, %	-15 max	-10
IRM 903 OIL: (D471)		
<u>70 hrs. @ 150 °C</u>		
Hardness Change, points	-15 max	No Change
Tensile Change, %	-30 max	-5
Elongation Change, %	-30 max	-22
Volume Change, %	+25 max	No Change

Z1 = HEAT RESISTANCE, 70 hrs. @ 150 °C (D865)

Hardness Change, points ±15
 Tensile Change, % ±30
 Elongation Change, % -70 max

Z2 = IRM 901 OIL, 70 hrs. @ 150 °C (D471)

Hardness Change, points +15 max
 Tensile Change, % -25 max
 Elongation Change, % -25 max
 Volume Change, % -15 max