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 Engineered Seals Division  
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**COMPOUND:** KA270-70  
**SPECIFICATION:** ASTM D2000 M3DH716A26B36EO16EO36Z2  
**DATE:** March 16, 2017

	<u>Specification</u>	<u>Results</u>
<b><u>ORIGINAL PHYSICAL PROPERTIES:</u></b>		
Hardness, Shore A Points (D2240)	70±5	68
Tensile, MPa (D412)	16.0 min.	21.6
Elongation, % (D412)	250 min.	469
<b>HEAT RESISTANCE: (D865)</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Hardness Change, points	+10 max.	+7
Tensile Change, %	-25 max.	-1
Elongation Change, %	-40 max.	-27
<b>COMPRESSION SET: (D395B)</b>		
<b><u>22 hrs. @ 150 °C (Plied)</u></b>		
Set, %	50 max.	47
<b>IRM 901 OIL: (D471) Z2</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Hardness Change, points	-5 to +10	+9
Tensile Change, %	-20 max.	-4
Elongation Change, %	-30 max.	-11
Volume Change, %	-15 max.	-8
<b>IRM 903 OIL: (D471)</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Hardness Change, points	-15 max.	+4
Tensile Change, %	-30 max.	-12
Elongation Change, %	-30 max.	-9
Volume Change, %	+25 max.	No Change

**Z1 = HEAT RESISTANCE (D865), 70 hrs. @ 150 °C**  
 Hardness Change, points                    +10 max.  
 Tensile Change, %                            -25 max.  
 Elongation Change, %                        -40 max.

**Z2 = HEAT RESISTANCE (D865), 70 hrs. @ 150 °C**  
 Hardness Change, points                    -5 to +10  
 Tensile Change, %                            -20 max.  
 Elongation Change, %                        -30 max.  
 Volume Change, %                            -15 max.