



Parker Hannifin Corporation  
 Engineered Seals Division  
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**COMPOUND:** KB285-85  
**SPECIFICATION:** ASTM D2000 M3DH820A26B16EO16EO36Z1  
**DATE:** March 16, 2017

	<u>Specification</u>	<u>Results</u>
<b><u>ORIGINAL PHYSICAL PROPERTIES:</u></b>		
Hardness, Shore A Points (D2240) <b>Z1</b>	85±5	83
Tensile, MPa (D412)	27.0 min.	32.7
Elongation, % (D412)	150 min.	192
100 % Modulus, MPa (D412)	14.5 min.	18.3
<b>HEAT RESISTANCE: (D865)</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Hardness Change, points	+10 max.	+4
Tensile Change, %	-25 max.	-10
Elongation Change, %	-30 max.	-14
<b>COMPRESSION SET: (D395B) <b>Z2</b></b>		
<b><u>22 hrs. @ 150 °C (Plied)</u></b>		
Set, %	30 max.	18
<b>IRM 901 OIL: (D471)</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Hardness Change, points	-5 to +10	No Change
Tensile Change, %	-20 max.	-1
Elongation Change, %	-30 max.	-7
Volume Change, %	±5	No Change
<b>IRM 903 OIL: (D471)</b>		
<b><u>70 hrs. @ 150 °C</u></b>		
Hardness Change, points	-15 max.	-10
Tensile Change, %	-30 max.	-11
Elongation Change, %	-30 max.	-8
Volume Change, %	+25 max.	+14

**Z1= ORIGINAL PHYSICAL PROPERTIES:**  
 Hardness, Shore A Points (D2240) 85±5  
 Tensile, MPa (D412) 27.0 min.

**Z2 = COMPRESSION SET: (D395B)**  
**22 hrs. @ 150 °C (Plied)**  
 Set, % 30 max.