

Date: 9/5/2014

Specification: ASTM D2000 M2HK714 A1-10 B37 B38 EF31 EO78 Z1

Z1: Hardness = 75±5 durometer Shore A

Base Material: DuPont

FDA Title 21 CFR 177.2600 Compliant

Recommended Service Temp: 5 to 482°F (-15 to 250°C)

NOTE: All testing done on slabs and buttons.

Original Properties	Specification	Results
Hardness, Shore A	75±5	77
Tensile Strength, psi	2031 (min)	2146
Ultimate Elongation, %	175 (min)	225
Tear Resistance, Kgf/cm	-	28
Modulus @ 100%, psi	-	812
Specific Gravity	-	1.856
Heat Resistance - A1-10, ASTM D 573 (70 hrs @ 250°C)		
Hardness Change, points	+10 (max)	+2
Tensile Strength Change, %	-25 (max)	+1
Elongation Change, %	-25 (max)	+8
Compression Set, % - B37, ASTM D 395 Method B (22 hrs @ 175°C)		
Permanent Set, % plied	50 (max)	11
Compression Set, % - B38, ASTM D 395 Method B (22 hrs @ 200°C)		
Permanent Set, % plied	50 (max)	17
Fluid Resistance, ASTM Fuel C - EF31, ASTM D 471 (70 hrs @ 23°C)		
Hardness Change, points	±5	-2
Tensile Strength Change, %	-25 (max)	-10
Elongation Change, %	-20 (max)	-1
Volume Change, %	0 to +10	+2.7
Fluid Resistance, ASTM #101 Oil - EO78, ASTM D 471 (70 hrs @ 200°C)		
Hardness Change, points	-15 to +5	-8
Tensile Strength Change, %	-40 (max)	-13
Elongation Change, %	-20 (max)	+8
Volume Change, %	0 to +15	+11.8

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.



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