



EUROPE SEALS BV Test Report

Material: NBR70

Specification: ASTM D2000 M2BG714 B14 EA14 EO14 EO34 F17 Z1=Heat Resistance Basic Requirements

Original Properties:	Required	Result
Hardness Change, pts, Short A	70±5	68
Tensile Strength, Min, psi	2031	2414
Elongation, Min, %	250	409
Z1 Heat Resistance: 70 H @ 100 °C		
Change in Hardness, Max, pts	+/-15	+5
Change in Tensile Strength, Max, %	+/-30	+7.6
Change in Ultimate Elongation, Max, %	-50	-21
B14 Compression Set: 22 H @ 100 °C		
	25% MAX	11.0%
EA14 Water Resistance: 70 H @ 100 °C		
Change in Hardness, Max, pts	±10	-2
Change in Volume, %	±15	+9.9
EO14 Fluid Resistance, NO.1: 70 H @ 100 °C		
Change in Hardness, Max, pts	-5 to +10	+9
Change in Tensile Strength, Max, %	-25	+17.1
Change in Ultimate Elongation, Max, %	-45	-17.6
Change in Volume, %	-10 to +5	-8.9
EO34 Fluid Resistance, No. 3 Oil: 70H @ 100°C		
Change in Hardness, Max, pts	-10 to +5	-1
Change in Tensile Strength, Max, %	-45	+4.9
Change in Ultimate Elongation, Max, %	-45	-18.7
Change in Volume, %	0 to +25	+1.8
F17 Low Temperature Resistance: Nonbrittle after 3 min at -40°C		
		Pass

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