

*Metal Detectable

*FDA Compliant

*Yellow EPDM

NOTE: All testing done on slabs and buttons.

Date: July-16

Physical Properties	Specification	Result
Hardness, Shore A, points	75±5	80
Tensile Strength, psi	1000 (min)	2239
Ultimate Elongation, %	100 (min)	639
Tear Resistance, Kgf/cm		51
Modulus at 100%, psi		587
Modulus at 200%, psi		895
Modulus at 300%, psi		1153
Specific Gravity, gw/cm ²		1.373
Heat Resistance - Basic, ASTM D573 (70 hrs @ 166°C)		
Hardness Change, points	±10	+2
Tensile Strength Change, %		-6
Ultimate Elongation Change, %		-16
Volume Change, %		+1.1
Fluid Resistance, Water - Basic, ASTM D471 (22 hrs @ 70°C)		
Hardness Change, points	±10	-2
Tensile Strength Change, %		+10
Ultimate Elongation Change, %		+1
Volume Change, %	±15	+0.8
Weight Change, %	±15	+0.6
Fluid Resistance, Low Fat (8% Milk Fat + 92% Distilled Water) - Basic, ASTM D471 (22 hrs @ 70°C)		
Hardness Change, points	±20	-17
Tensile Strength Change, %		-11
Ultimate Elongation Change, %		-28
Volume Change, %	±25	+15.4
Weight Change, %	±25	+9.6
Fluid Resistance, 100% Milk Fat - Basic, ASTM D471 (22 hrs @ 70°C)		
Hardness Change, points	±10	-10
Tensile Strength Change, %		-8
Ultimate Elongation Change, %		-29
Volume Change, %	±25	+11.5
Weight Change, %	±25	+7.4



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Fluid Resistance, Phosphoric Acid - Basic , ASTM D471 (22 hrs @ 82°C)	Specification	Result
Hardness Change, points	±10	-3
Tensile Strength Change, %		+7
Ultimate Elongation Change, %		-1
Volume Change, %	±15	+0.4
Weight Change, %	±15	+0.6
Fluid Resistance, Alkaline Cleaner - Basic , ASTM D471 (22 hrs @ 82°C)		
Hardness Change, points	±10	-6
Tensile Strength Change, %		+10
Ultimate Elongation Change, %		-3
Volume Change, %	±15	+3.7
Weight Change, %	±15	+2.7
Fluid Resistance, Chlorine Sanitizer - Basic , ASTM D471 (22 hrs @ 21°C)		
Hardness Change, points	±10	-3
Tensile Strength Change, %		+12
Ultimate Elongation Change, %		+7
Volume Change, %	±15	+0.8
Weight Change, %	±15	+0.3

