

\*Metal Detectable

\*FDA Compliant

\*Orange VMQ

NOTE: All testing done on slabs and buttons.

Date: July-16

Physical Properties	Specification	Result
Hardness, Shore A, points	75±5	75
Tensile Strength, psi	1100	1308
Ultimate Elongation, %	100	384
Tear Resistance, Kgf/cm		23
Modulus at 100%, psi		477
Modulus at 200%, psi		745
Modulus at 300%, psi		1043
Specific Gravity, gw/cm <sup>2</sup>		1.281
<b>Heat Resistance - Basic, ASTM D573 (70 hrs @ 166°C)</b>		
Hardness Change, points	±10	0
Tensile Strength Change, %		-4
Ultimate Elongation Change, %		-7
Volume Change, %		-0.4
<b>Fluid Resistance, Water - Basic, ASTM D471 (22 hrs @ 70°C)</b>		
Hardness Change, points	±5	-2
Tensile Strength Change, %		-7
Ultimate Elongation Change, %		-3
Volume Change, %	±10	-0.8
Weight Change, %	±10	-0.6
<b>Fluid Resistance, Low Fat (8% Milk Fat + 92% Distilled Water) - Basic, ASTM D471 (22 hrs @ 70°C)</b>		
Hardness Change, points	±15	-4
Tensile Strength Change, %		-17
Ultimate Elongation Change, %		-10
Volume Change, %	±25	+1.6
Weight Change, %	±25	+1.3
<b>Fluid Resistance, 100% Milk Fat - Basic, ASTM D471 (22 hrs @ 70°C)</b>		
Hardness Change, points	±5	-3
Tensile Strength Change, %		-13
Ultimate Elongation Change, %		-9
Volume Change, %	±10	+0.4
Weight Change, %	±10	+0.3

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Fluid Resistance, Phosphoric Acid - <b>Basic</b> , ASTM D471 (22 hrs @ 82°C)	Specification	Result
Hardness Change, points	±10	-1
Tensile Strength Change, %		-10
Ultimate Elongation Change, %		-1
Volume Change, %	±15	+0.4
Weight Change, %	±15	+0.3
Fluid Resistance, Alkaline Cleaner - <b>Basic</b> , ASTM D471 (22 hrs @ 82°C)		
Hardness Change, points	±10	-2
Tensile Strength Change, %		-9
Ultimate Elongation Change, %		-5
Volume Change, %	±10	-0.4
Weight Change, %	±10	-0.3
Fluid Resistance, Chlorine Sanitizer - <b>Basic</b> , ASTM D471 (22 hrs @ 21°C)		
Hardness Change, points	±5	-1
Tensile Strength Change, %		-7
Ultimate Elongation Change, %		-2
Volume Change, %	±10	-0.8
Weight Change, %	±10	-0.6

