

Date: February-17

Specification: ASTM D2000 M2BG714 A14 B14 EA14 EF11 EF21 EO14 EO34 F17

Z1: NSF 61 Certification

Z2 : FDA21 CFR 177.2600

Z3 : FDA 3-A SANITARY CLASS II

NOTE: All testing done on slabs and buttons.

Original Properties	Specification	N702X
Hardness, Shore A	70±5	71
Tensile Strength, psi	2031 (min)	2388
Ultimate Elongation, %	250 (min)	281
Modulus @ 100%, psi	-	701
Specific Gravity, g/cm ³	-	1.25
Color	-	BLACK

Low Fat Tolerance Absorption - C2.1.1, ASTM D471-12a (22 hrs @ 70°C)		
Hardness Change, points	±15	-1
Tensile Strength Change, %	-	-1
Elongation Change, %	-	-6
Weight Change, %	±25	+1.4
Volume Change, %	±25	+1.5
Visual Change	-	Pass

Milk Fat Absorption - C2.2.1, ASTM D471-12a (22 hrs @ 70°C)		
Hardness Change, points	±5	-
Tensile Strength Change, %	-	+1
Elongation Change, %	-	-2
Weight Change, %	±10	+0.2
Volume Change, %	±10	+0.2
Visual Change	-	Pass

Distilled Water Absorption - C2.2.2, ASTM D471-12a (22 hrs @ 70°C)		
Hardness Change, points	±5	-3
Tensile Strength Change, %	-	0
Elongation Change, %	-	-2
Weight Change, %	±10	+2.4
Volume Change, %	±10	+2.6
Visual Change	-	Pass

Air Aging Stability - C2.2.3, ASTM D573-04 (166 hrs @ 100°C)		
Hardness Change, points	±10	+6
Tensile Strength Change, %	-	+5
Elongation Change, %	-	-37
Weight Change, %	-	-1.7
Visual Change	-	Pass

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Nitric Acid Resistance - D4.6, ASTM D471-12a (22 hrs @ 82°C)

Hardness Change, points	±10	-7
Tensile Strength Change, %	-	-24
Elongation Change, %	-	-31
Weight Change, %	±15	+10.4
Volume Change, %	±15	+11.9
Visual Change	-	Pass

Phosphoric Acid Resistance - D4.7, ASTM D471-12a (22 hrs @ 82°C)

Hardness Change, points	-	-2
Tensile Strength Change, %	-	-1
Elongation Change, %	-	-7
Weight Change, %	-	+2.7
Volume Change, %	-	+3.1
Visual Change	-	Pass

Alkaline Cleaner Resistance - D4.8, ASTM D471-12a (22 hrs @ 82°C)

Hardness Change, points	±10	-3
Tensile Strength Change, %	-	-3
Elongation Change, %	-	-12
Weight Change, %	±10	+3.1
Volume Change, %	±10	+3.8
Visual Change	-	Pass

Chlorine Sanitizer Resistance - D4.9, ASTM D471-12a (22 hrs @ 21°C)

Hardness Change, points	±5	0
Tensile Strength Change, %	-	+4
Elongation Change, %	-	+9
Weight Change, %	±10	+0.6
Volume Change, %	±10	+0.4
Visual Change	-	Pass

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