

Natural Rubber: Medical Examination Gloves

STANDARD		ABNT (NBR 13392 : 2004)	ASTM D3578-05	AS/NZ 4011 : 97	ISO 11193-1 : 2008	EN 455-Part 1 : 2000, Part 2 + A1 : 2011
A. Physical Dimension (mm)	Nominal size					
	Width	XS	70 ± 10	70 ± 10	≤80	≤80
		S	80 ± 10	80 ± 10	80 ± 10	80 ± 10
		M	95 ± 10	95 ± 10	95 ± 10	95 ± 10
		L	111 ± 10	111 ± 10	110 ± 10	110 ± 10
		XL	120 ± 10	≥111	120 ± 10	≥110
	Length	All sizes	Min 230	XS, S : min 220	XS, S : min 220	Min 240
				M, L, XL : min 230	M, L, XL : min 230	
	Thickness Palm	All sizes	Min 0.08	Min 0.08	Smooth : min 0.08	N/A
	Thickness Finger				Textured : min 0.11	
Thickness Cuff/Fist						

B. Physical Properties	Before aging	Tensile Strength	Min 21 Mpa	Min 18 Mpa	Min 21 Mpa		
		Force at Break				Min 7N	Median 6N
		Elongation (%)	Min 700	Min 650	Min 700	Min 650	
	After aging	Tensile Strength	Min 16 Mpa	Min 14 Mpa	Min 16 Mpa		
		Force at Break				Min 6N	Median 6N
B. Physical Properties	Aging Method	Elongation (%)	Min 500	Min 500	Min 500	Min 500	
			a. 70 ± 2 °C @ 166 ± 2 hour	a. 70 ± 2 °C @ 166 ± 2 hour	7 days @ 70 ± 2 °C	70 ± 2 °C @ 168 ± 2 hour	7 days @ 70 ± 2 °C
			b. 100 ± 2 °C @ 22 ± 0.3 hour	b. 100 ± 2 °C @ 22 ± 0.3 hour			

C. Sampling	Physical Dimension	S2 AQL 4.0	S2 AQL 4.0	S2 AQL 4.0	S2 AQL 4.0	Median 13 pcs
	Physical properties	S2 AQL 4.0	S2 AQL 4.0	S2 AQL 4.0	S2 AQL 4.0	Median 13 pcs
	Holes	S4 AQL 1.5	G1 AQL 2.5	S4 AQL 2.5	G1 AQL 2.5	G1 AQL 1.5