

*By 2028, a world class Army that is a source of national pride.*

HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY QUARTERMASTER  
Fort Andres Bonifacio, Metro Manila

**TEST PARAMETERS**

**PHILIPPINE ARMY RUBBER SHOES, BLACK**

TEST PARAMETERS	QM SPEC NR IC-21PARSB dtd 05 July 2019	Classification of Defects	
		Major	Minor
<b>Sizes &amp; Measurement</b>	Size: _____		
Length, mm			X
Overall Weight, g			X
Heel Height, mm			X
<b>Leather</b>	The leather for the toe cap, toe cap underlay, front eyelet-stay, side guard eyelet-stay, and back tab shall be Polyester/Nylon Fiber Reinforced Synthetic Leather (PFRSL/NFRSL)	X	
Color	Black	X	
Thickness (mm)	1.9 (maximum)		X
Weight (g/m <sup>2</sup> )	900 (maximum)		X
Abrasion Resistance, mg	40 (maximum)	X	
Tensile Strength (kg)			
Direction A	50 (minimum)	X	
Direction B	40 (minimum)	X	
<b>Vamp, Quarter, Side Guard, Outside Collar, Back Counter And Tongue</b>	Shall be made of two-layered laminated mesh fabric. Top layer shall be made of either nylon, polyester or olefin mesh. The bottom layer shall be made of either nylon, polyester or olefin knitted fabric.	X	
Color	Black	X	
Thickness (mm)	2 - 4		X
Weight (g/m <sup>2</sup> )	500 (maximum)		X
Bursting Strength (kg/cm <sup>2</sup> )	20.00 (minimum)	X	
<b>Back Tab Counter</b>	Shall composed of three (3) parts: namely the gray reflectorized leather material; black mesh material made of nylon, polyester or olefin; and bordered by a black synthetic leather	X	
	Must contain the brand/manufacturers logo/name	X	
<b>Tongue Loop</b>	Shall be nylon, polyester or olefin webbing	X	
Color	Black	X	
Width, mm	10.5 ± 2.5		X
Thickness, mm	0.7 ± 0.2		X
Breaking Strength, kg	45 (minimum)	X	
<b>Tongue Lining and Inside Collar</b>	Shall be made of three-layered laminated material. Top layer shall be made of either nylon, polyester or olefin knitted fabric. The second layer shall be made of 2mm to 4mm gray thick foam, while the third layer shall be made of either nylon, polyester or olefin knitted fabric	X	

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		Major	Minor
Thickness, mm	2 - 6		X
Weight, g/m <sup>2</sup>	600 (maximum)		X
Bursting Strength, kg/cm <sup>2</sup>	20 (minimum)	X	
<b>Eyeletstay Reinforcement</b>	Shall be made of either nylon, polyester or olefin gray non-woven material	X	
Thickness, mm	0.40 - 0.8		X
Weight, g/m <sup>2</sup>	420 (maximum)		X
Breaking Strength, Kg			
Direction A	140 (minimum)	X	
Direction B	130 (minimum)	X	
<b>Eyeletstay Lining</b>	Shall be made black woven nylon, polyester or olefin fabric	X	
Thickness, mm	1 (maximum)		X
<b>Toe Cap Reinforcement</b>	Shall be made of black woven cotton/polyester fabric	X	
Thickness, mm	0.40 - 1.10		X
Weight, g/m <sup>2</sup>	600 (maximum)		X
Breaking Strength, Kg			
Warp	115 (minimum)	X	
Filling	105 (minimum)	X	
Thread Count/ 2.54 cm			
Warp	35 (minimum)		X
Filling	30 (minimum)		X
Yarn Size, Denier			
Warp	600 (minimum)		X
Filling	600 (minimum)		X
Type of Weave	Twill		X
Color	Black	X	
<b>Foam</b>			
Collar Foam			
Color	White		X
Thickness, mm	7.0 - 11.0		X
Tongue Foam			
Color	Gray		X
Thickness, mm	3.0 - 6.0		X
<b>Counter</b>	Pre-formed Plastic / Thermoplastic Sheet	X	
Thickness, mm	1 - 2		X
<b>Insole</b>	Shall be made of three-layered laminated material	X	
Top layer	Shall be made of either nylon, polyester or olefin knitted fabric		X
Second layer	Shall be made of 3.0 to 5.0 mm white thick foam		X
Third layer	Shall be made of either nylon, polyester or olefin non-woven material		X
Thickness (mm)	4 - 7		X
Weight (g/m <sup>2</sup> )	650 (maximum)		X
Breaking Strength, kg			
Warp	150 (minimum)	X	
Filling	110 (minimum)	X	

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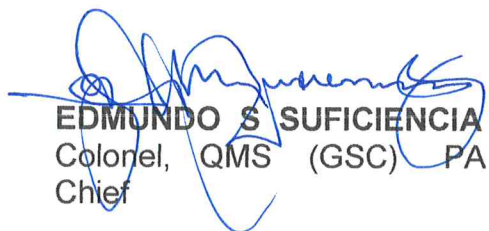
TEST PARAMETERS	QM SPEC NR IC-21PARSB dtd 05 July 2019	Classification of Defects	
		Major	Minor
<b>Footbed Cushion or Sock Lining</b>	Shall be black pre-molded cushion material laminated with either nylon, polyester or olefin black knitted fabric	X	
Thickness, mm	3.0 - 8.0		X
<b>Midsole</b>	Shall be black compressed and molded material	X	
Color	Black		X
<b>Outersole and Heel</b>	Shall be molded and shaped with traction design	X	
Traction design	Shall be made of high abrasive resistant and durable rubber	X	
Outersole	Must conform with the attached illustration	X	
Color	Must be (1) one-piece	X	
Abrasion Resistance	Black	X	
Flex resistance	The loss in weight due to abrasion resistance shall be not more than 100.00 milligrams	X	
Bond strength	The rubber outersole and all the uppers shall not show sign of cracks or splits after a minimum of 200 hours continuous flexing.	X	
Outersole Traction Design	50.0 kg (minimum)	X	
Hardness	Must follow and conform to the illustrations and drawing	X	
Lace	The durometer hardness shall be 60 ± 10 Shore A.	X	
Color	Shall be oval shape and made of either nylon, polyester or olefin woven cord		X
Width, mm	Black	X	
Plastic reinforced tips	5.0 - 8.0		X
Breaking Strength, kg	Provided with Plastic reinforced tips 1.8 (minimum) long	X	
Length, cm	90 (minimum)	X	
Thread, Upper Fitting	124 (minimum)	X	
No. of Ply	Shall be nylon or polyester	X	
Yarn Size, Denier	3-ply (maximum)		X
Color	850 (maximum)		X
Breaking Strength, kg	Black		X
Thread, Insole Stitching	5 (minimum)	X	
No. of Ply	Shall be made of nylon or polyester	X	
Yarn Size, Denier	4 ply (maximum)		X
Color	2,700 (maximum)		X
Breaking Strength, kg	White / natural		X
	20 (minimum)	X	
<b>Construction</b>			
Upper Stitching/2.54 cm	Shall be eight (8) to ten (10) stitches		X
Eyeleting	Shall be seven (7) eyelet holes on each eyelet stay spaced evenly from blucher nose to side reinforcement.	X	
Side Guard, Tongue and Back Tab Logo	Must have the brand/manufacturer's marking/logo sewed/stamped/laminated/printed on the shoe	X	
	The outer and inner side of the shoes must have a brand/manufacturers logo on each shoe	X	
	The tongue and the back tab must also have a marking/logo	X	
Outersole and Midsole Brand /Manufacturers Marking/Logo	The outersole must have a brand a brand/manufacturers logo on the bottom heel part and toe part of the outsole	X	
Back Tab	Shall be made of black leather with gray reflective leather material and black mesh fabric, set and sewed	X	
	Must have the brand or manufacturer's logo sewed/stamped/laminated	X	

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TEST PARAMETERS	QM SPEC NR IC-21PARSB dtd 05 July 2019	Classification of Defects	
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Tongue Size Label	Shall be sewed or laminated on the inside top center portion of the tongue	X	
	Shall be imprinted or stenciled on a cloth with indelible ink or by heat transfer of equal fastness	X	
	The label must contain the size of the rubber shoes	X	
<b>Workmanship</b>			
Design	The design of the finished rubber shoes shall be essentially the same with the official sample of the Philippine Army	X	
<b>Total Test Points</b>		<b>57</b>	<b>42</b>

  
**EDMUNDO S SUFICIENCIA**  
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 Chief

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