



Republic of the Philippines
DEPARTMENT OF LABOR AND EMPLOYMENT
Occupational Safety and Health Center
 North Avenue corner Agham Road, Diliman, Quezon City



OSHC-QF-SCD-PPE-11
 Revision No.: 02
 Effective: February 20, 2019

SAFETY CONTROL DIVISION
PPE TESTING AND ASSESSMENT PROCEDURE

SAFETY SHOES TEST RESULTS

Request Reference Code: **PPE-SSHOES-2020-012**

BRAND NAME	NEUKING Product Code: NKC90K	TYPE	LOW CUT
DISTRIBUTOR	KING'S SAFETYNET INC.		
ADDRESS	849 O. L. LIONGSON BUILDING, TOMAS MAPUA ST., STA. CRUZ, MANILA		

Shoe Size: <u>9</u> <input checked="" type="checkbox"/> Men <input type="checkbox"/> Women Toe Cap Material: <u>COMPOSITE</u> Toe Cap Specifications: <u>47.7</u> mm length <u>2.5</u> mm thickness <u>44.6</u> mm height <u>8.0</u> mm flange Mid-Sole Device Material: <u>COMPOSITE</u> Thickness <u>4.5</u> mm Manufacturing Process: <input type="checkbox"/> Direct Vulcanized <input type="checkbox"/> Cement <input type="checkbox"/> Goodyear Welt <input type="checkbox"/> Others, specify: _____ <input type="checkbox"/> Injection Mold	Remarks: Testing Standard: Occupational Safety and Health Standards Rule 1080: Personal Protective Equipment and Devices Based on PNS-ASTM F2412:2016 and PNS ASTM F2413:2016 Safety Shoes Test Classification: Class 75
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A. IMPACT RESISTANCE TEST

Specimen Number	Impact Resistance Test Classification	Interior Height Clearance After Impact, mm	REMARKS	CRITERIA
1	I-75	15.8	PASSED	The specimen shall have a minimum interior height clearance equal to or greater than the following: 12.7 mm for men's shoes and 11.9 mm for women's shoes
2		16.0		
3		18.5		

B. COMPRESSION RESISTANCE TEST

Specimen Number	Compression Resistance Test Classification	Interior Height Clearance After Compression, mm	REMARKS	CRITERIA
1	C-75	19.8	PASSED	The specimen shall have a minimum interior height clearance equal to or greater than the following: 12.7 mm for men's shoes and 11.9 mm for women's shoes
2		20.2		
3		21.4		

C. MIDSOLE DEVICE PUNCTURE RESISTANCE TEST

Specimen Number	Minimum Puncture Resistance Requirement	Puncture Resistance kgf	REMARKS	CRITERIA
1	122.5 kgf	224	PASSED	The puncture resistant device shall pass if the tip of the test pin does not visually penetrate beyond the face of the material nearest the foot, after an applied force of 122.5 kgf.
2		226		
3		209		



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D. ELECTRICAL RESISTANCE TEST				
Specimen Number	Test Voltage V-AC	Leakage Current mA	REMARKS	CRITERIA
1	18,000 v	0.50	PASSED	Electrically resistant protective footwear must be able to withstand an application of 18,000 volts for 1 minute with no leakage current in excess of 1 mA.
2		0.51		
3		0.51		
E. STATIC DISSIPATIVE TEST				
Specimen Number	Test Voltage V-DC	Electrical Resistance Megaohms	REMARKS	CRITERIA
1	50 v		TEST NOT CONDUCTED	1 Megaohm to 100 Megaohms
2				
3				
COMMENTS:				
The specimens passed the requirements of PNS ASTM F 2413:2016 for Impact Resistance, Compression Resistance, Midsole Device Puncture Resistance and Electrical Resistance tests.				

Test Conducted By:

MR. MARION A. VILLEGAS
 Engineering Assistant

ENGR. DENNIS C. AQUINO
 Engineer IV

Approved By:

ENGR. CONCEPCION T. STO. TOMAS
 Chief, Safety Control Division

Date:

31 JANUARY 2020

NOEL C. BINAG, CE
 Executive Director