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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT91135010

Date: Aug 15, 2022

Applicant: WENZHOU SOGU TECHNOLOGY CO.,LTD
NO.33 BEIWEI 1ST ROAD,WENZHOU ,CHINA

Attn: WU DAN DAN

Sample Description:

Ten (10) pieces of submitted samples said to be puncture proof midsoles in White/Red.

Standard : EN ISO 22568-4:2021

Style No./Name : SOGU

Date Received/Date Test Started Aug. 04, 2022

Date Final Information Confirmed/ --/--

Date Payment Received:

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch

Guiliang Dong
Senior Lab Manager



MR / lydiayang

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1 Flexing Resistance (Non-Metallic Perforation Resistant Inserts) (EN ISO 22568-4:2021, 5.2)

Specimen	Results	Requirement	Pass/Fail
Specimen 1	No Visible Signs Of Cracking, Disintegration Or Delamination After 1×10^6 Flexion Cycles.	*	Pass
Specimen 2	No Visible Signs Of Cracking, Disintegration Or Delamination After 1×10^6 Flexion Cycles.	*	Pass

Remark: * = The Non-Metallic Perforation Resistant Insert Shall Exhibit No Visible Signs Of Cracking, Disintegration Or Delamination After Having Been Subjected To 1×10^6 Flexion Cycles.

2 Resistance To Perforation (Non-Metallic Perforation Resistant Inserts) (EN ISO 22568-4:2021, 5.1.2, **Method PS and Annex B**, Diameter Of Test Mail: (3.0 ± 0.03) mm, Speed: (10 ± 3) mm/min, Conditioning: At Least 24 h At $(23 \pm 2)^\circ\text{C}$ And (50 ± 5) % R.H)

Perforation Point	Results	Requirement	Pass/Fail
Point 1	1174 N	Min. 950 N	Pass
Point 2	1170 N	Min. 950 N	Pass
Point 3	1196 N	Min. 950 N	Pass
Point 4	1221 N	Min. 950 N	Pass
Point 5	1177 N	Min. 950 N	Pass
Average Value	1187 N	Min. 1100 N	Pass





3 Resistance To Perforation After High Temperature Treatment (Non-Metallic Perforation Resistant Inserts)
(EN ISO 22568-4:2021, 5.3.2, **Method PS and Annex B**, Speed:(10±3)mm/min)

High Temperature Treatment : 60±2°C For 4 Hours, Then 45±2°C For Another 18 Hours				
	Perforation Point	Results	Requirement	Pass/Fail
Sample 1	Point 1	1252 N	Min. 950 N	Pass
	Point 2	1146 N	Min. 950 N	Pass
	Point 3	1173 N	Min. 950 N	Pass
	Point 4	1171 N	Min. 950 N	Pass
	Point 5	1170 N	Min. 950 N	Pass
	Average Value	1182 N	Min. 1100 N	Pass
	Perforation Point	Results	Requirement	Pass/Fail
Sample 2	Point 1	1297 N	Min. 950 N	Pass
	Point 2	1168 N	Min. 950 N	Pass
	Point 3	1255 N	Min. 950 N	Pass
	Point 4	1241 N	Min. 950 N	Pass
	Point 5	1102 N	Min. 950 N	Pass
	Average Value	1212 N	Min. 1100 N	Pass





- 4 Resistance To Perforation After Acid Sweat Treatment (Non-Metallic Perforation Resistant Inserts)
(EN ISO 22568-4:2021, 5.3.3 & ISO 105-E04:2013,4.4, Method PS and Annex B, Speed: (10±3)mm/min,
Conditioning Before Testing: (23±2)°C For 24 h)

Acid Sweat Treatment : Ph 5.5 Acid Sweat Solution: (23±2)°C For 24 Hours				
	Perforation Point	Results	Requirement	Pass/Fail
Sample 1	Point 1	1159 N	Min. 950 N	Pass
	Point 2	1179 N	Min. 950 N	Pass
	Point 3	1196 N	Min. 950 N	Pass
	Point 4	1167 N	Min. 950 N	Pass
	Point 5	1206 N	Min. 950 N	Pass
	Average Value	1181 N	Min. 1100 N	Pass
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	Perforation Point	Results	Requirement	Pass/Fail
Sample 2	Point 1	1174 N	Min. 950 N	Pass
	Point 2	1211 N	Min. 950 N	Pass
	Point 3	1120 N	Min. 950 N	Pass
	Point 4	1204 N	Min. 950 N	Pass
	Point 5	1171 N	Min. 950 N	Pass
	Average Value	1176 N	Min. 1100 N	Pass





- 5 Resistance To Perforation After Alkali Sweat Treatment (Non-Metallic Perforation Resistant Inserts)
(EN ISO 22568-4:2021, 5.3.4 & ISO 105-E04:2013,4.3, **Method PS and Annex B**, Speed: (10±3)mm/min,
Conditioning Before Testing: (23±2)°C For 24 h)

Alkali Sweat Treatment : pH 8.0 Alkali Sweat Solution: (23±2)°C For 24 Hours				
	Perforation Point	Results	Requirement	Pass/Fail
Sample 1	Point 1	1113 N	Min. 950 N	Pass
	Point 2	1151 N	Min. 950 N	Pass
	Point 3	1163 N	Min. 950 N	Pass
	Point 4	1210 N	Min. 950 N	Pass
	Point 5	1152 N	Min. 950 N	Pass
	Average Value	1157 N	Min. 1100 N	Pass
	Perforation Point	Results	Requirement	Pass/Fail
Sample 2	Point 1	1148 N	Min. 950 N	Pass
	Point 2	1186 N	Min. 950 N	Pass
	Point 3	1114 N	Min. 950 N	Pass
	Point 4	1161 N	Min. 950 N	Pass
	Point 5	1221 N	Min. 950 N	Pass
	Average Value	1166 N	Min. 1100 N	Pass





- 6 Resistance To Perforation After Fuel Oil Treatment (Non-Metallic Perforation Resistant Inserts)
(EN ISO 22568-4:2021, 5.3.5, **Method PS and Annex B**, Speed: (10±3)mm/min,
Conditioning Before Testing: (23±2)°C For 24 h)

Fuel Oil Treatment: 2,2,4-Trimethylpentane: (23±2)°C For 24 Hours				
	Perforation Point	Results	Requirement	Pass/Fail
Sample 1	Point 1	1170 N	Min. 950 N	Pass
	Point 2	1182 N	Min. 950 N	Pass
	Point 3	1191 N	Min. 950 N	Pass
	Point 4	1155 N	Min. 950 N	Pass
	Point 5	1160 N	Min. 950 N	Pass
	Average Value	1171 N	Min. 1100 N	Pass
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	Perforation Point	Results	Requirement	Pass/Fail
Sample 2	Point 1	1076 N	Min. 950 N	Pass
	Point 2	1076 N	Min. 950 N	Pass
	Point 3	1124 N	Min. 950 N	Pass
	Point 4	1130 N	Min. 950 N	Pass
	Point 5	1116 N	Min. 950 N	Pass
	Average Value	1104 N	Min. 1100 N	Pass





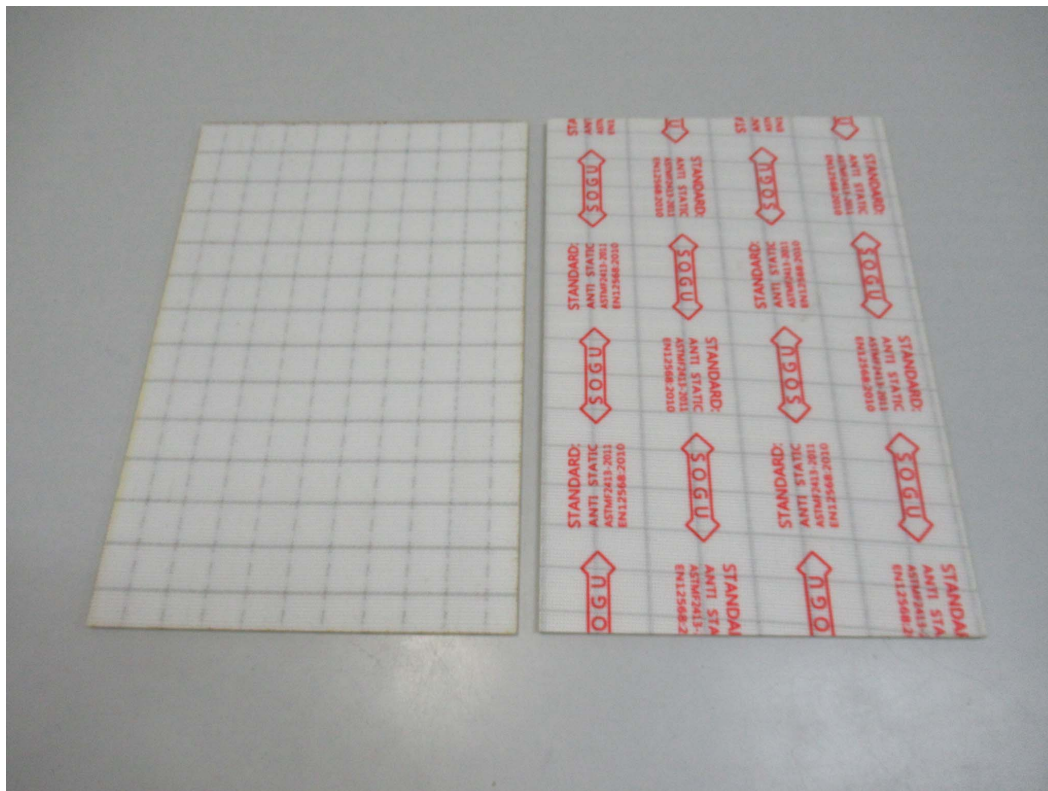
7 Electrical Resistance (Non-Metallic Perforation Resistant Inserts Used In A Footwear With Electrical Properties)
(EN ISO 22568-4:2021,5.4 & ISO 20344:2021, 5.13.4)

Conditioning Temperature & Period:	(60±2) °C For At Least 24 h
Test Environment:	(23±2) °C, (50±5) % R.H
Internal Electrode:	4 kg Steel Balls
Test Voltage:	(100±2) V DC
Test Period:	1 Minute

Sample	Results	Requirement	Pass/Fail
-	< 0.001 MΩ	-	-

Expanded Uncertainty: 1.13 MΩ, With k= 2.06 At 95% Confidence Level.





End Of Report

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Remark:

1. As Requested by the Applicant, For Details Refer to Attached Page (S).
2. All the tested item are tested under the standard condition.
3. The report is valid with commission test only for the test samples in the case of delivering samples by clients.

