Total Quality. Assured.

TEST REPORT

Number: GZHT91302015

Applicant: TRECK SA
SANTA ROSA 5220 SAN
JOAQUIN SANTIAGO CHILE

Date: Jan 10, 2025

Attn:

Sample Description:
Six (6) pieces of Samples Said To Be Vulcanized rubber sheets used in making V-FLEX M900 safety rubber boots in Black.

Standard	:	EN 13832-2:2018
Buyer's Name	:	--
Colour	:	--
Vendor	:	--
Manufacturer	:	--
Supplier	:	--
Style No./Name	:	--
P.O. No.	:	--
Ref.	:	--
Country Of Origin	:	--
Goods Exported To	:	--
Date Received/Date Test Started	:	Nov. 20, 2024
Date Final Information Confirmed	:	Jan. 10, 2024

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

wx/kayyu

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Footwear Protecting Against Chemicals (EN 13832-2:2018, 6.2.1.3 & EN 13832-1:2018, 4.3)

Test 1	Chemical Used		**Sulfuric Acid 96 %**			
	Letter code		-			
	Test		Before Degradation	After Degradation	Requirement (After Degradation)	Pass/Fail
Specimen 1	Upper	Mass Change (mg)	23737	27530	-	-
		Tear Resistance (kN/m)	27.0	26.5	⩾ 6.4 kN/m	Pass
		Elongation At Break (%) (Not Applicable For Leather Upper)	305	251	Min. 244 % (#1)	Pass
	Sole	Mass Change (mg)	23737	27530	-	-
		Tear Resistance (kN/m)	27.0	26.5	⩾ 6.4 kN/m	Pass
		Hardness (Shore A)	68	77	Min. 30 Shore A Max. 78 Shore A (#2)	Pass
Specimen 2	Upper	Mass Change (mg)	25696	29667	-	-
		Tear Resistance (kN/m)	27.0	25.1	⩾ 6.4 kN/m	Pass
		Elongation At Break (%) (Not Applicable For Leather Upper)	305	254	Min. 244 % (#1)	Pass
	Sole	Mass Change (mg)	25696	29667	-	-
		Tear Resistance (kN/m)	27.0	25.1	⩾ 6.4 kN/m	Pass
		Hardness (Shore A)	68	78	Min. 30 Shore A Max. 78 Shore A (#2)	Pass

Test 2	Chemical Used		**Sodium Hydroxide Solution 40%**			
	Letter code		-			
	Test		Before Degradation	After Degradation	Requirement (After Degradation)	Pass/Fail
Specimen 1	Upper	Mass Change (mg)	23924	23946	-	-
		Tear Resistance (kN/m)	27.0	28.0	⩾ 6.4 kN/m	Pass
		Elongation At Break (%) (Not Applicable For Leather Upper)	305	340	Min. 244 % (#1)	Pass
	Sole	Mass Change (mg)	23924	23946	-	-
		Tear Resistance (kN/m)	27.0	28.0	⩾ 6.4 kN/m	Pass
		Hardness (Shore A)	68	67	Min. 30 Shore A Max. 78 Shore A (#2)	Pass
Specimen 2	Upper	Mass Change (mg)	25136	25130	-	-
		Tear Resistance (kN/m)	27.0	27.5	⩾ 6.4 kN/m	Pass
		Elongation At Break (%) (Not Applicable For Leather Upper)	305	352	Min. 244 % (#1)	Pass
	Sole	Mass Change (mg)	25136	25130	-	-
		Tear Resistance (kN/m)	27.0	27.5	⩾ 6.4 kN/m	Pass
		Hardness (Shore A)	68	67	Min. 30 Shore A Max. 78 Shore A (#2)	Pass

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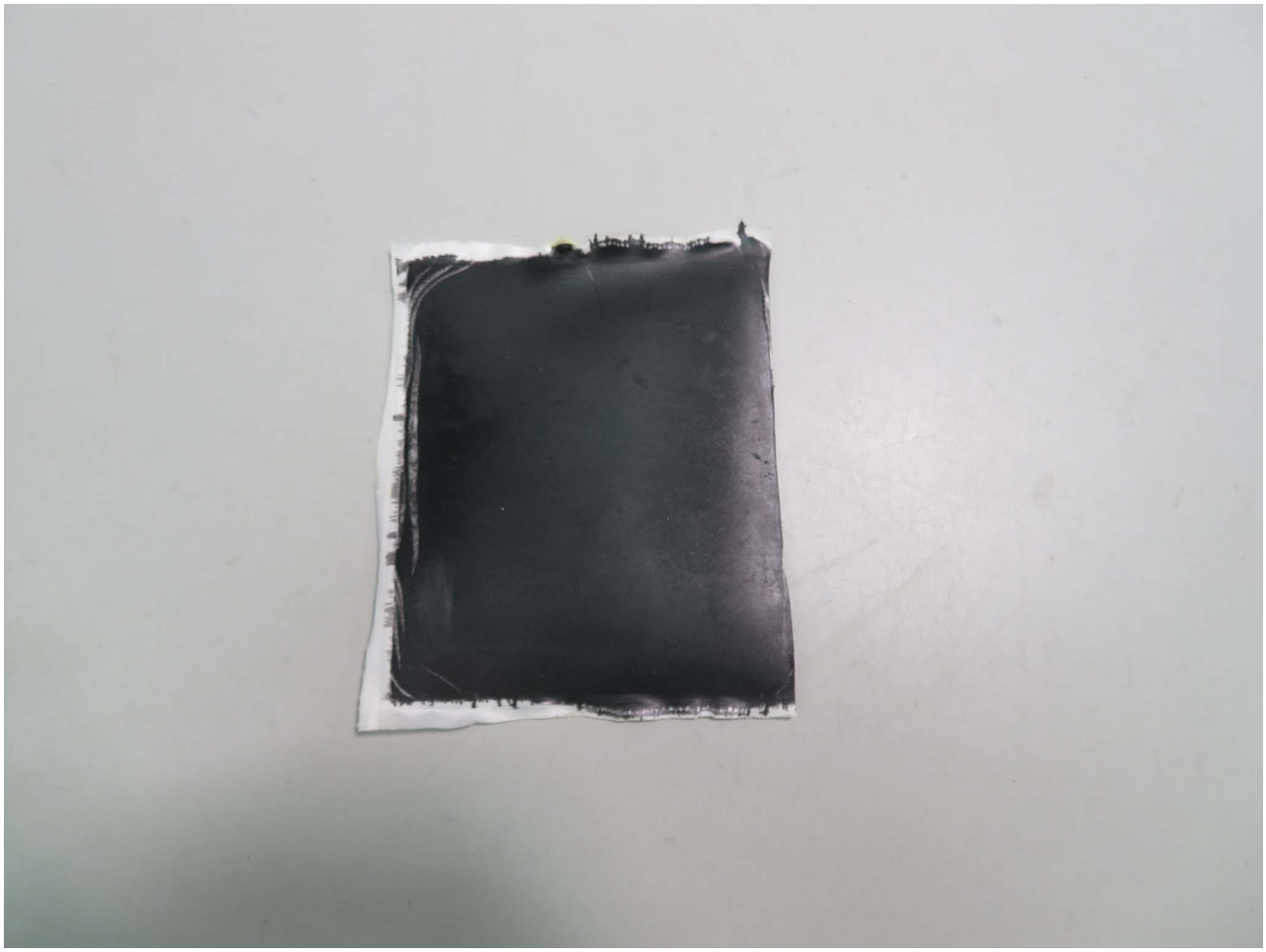
Footwear Protecting Against Chemicals (EN 13832-2:2018, 6.2.1.3 & EN 13832-1:2018, 4.3) (Cont)

Remark: #1 = 80% Of Value Before Degradation
#2 = Value Before Degradation + 10 Shore A

NOTE

Letter code	Chemical
B	Acetone
D	Dichloromethane
F	Toluene
G	Diethylamine
H	Tetrahydrofurane
I	Ethyl Acetate
J	n- Heptane
K	Sodium Hydroxide Solution 30% D=1.33
L	Sulfuric Acid 95% D=1.84
M	Nitric Acid (65±3)%
N	Acetic Acid (99±1)%
O	Ammonia Solution (25±1)%
P	Hydrogen Peroxide (30±1)% V/V
Q	Isopropanol
R	Sodium Hypochlorite (13±1)%(Of Active Chloride)

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End of Report

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