



Number: GZHT90458571

Applicant: PATHFINDER TRADING (SHANGHAI)CO.,LTD.
5C JINHUAN BUILDING, NO. 489
XIANGYANG SOUTN RD, SHANGHAI,
CHINA

Date: Aug 22, 2014

Attn: JOAN TANG

Sample Description:

Two (2) pairs of submitted sample said to be Injection lace up safety ankle boots in Black.

Standard : NCH
Size : EUR 40, 41
Ref. No. : 20140808
Date Received/Date Test Started : Aug. 11, 2014

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 GDD Branch



Huang Ning, Andy
Assistant General Manager

AZ / mikaliang



Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Branch

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Tests Conducted (As Requested By The Applicant)

1 Thickness (Soles With Relieves) (Nch 1350 of 96)

		Requirement	Pass/Fail
Size 40	5.6 mm	Min. 4 mm	Pass

2 Tearing Strength (Soles) (Nch 1351/1.Of89)

		Requirement	Pass/Fail
Size 41	44.5 kN/m (4.5 Kgf/mm)	Min. 29.4 kN/m (3 Kgf/mm)	Pass

3 Abrasion Resistance (Soles) (Nch 1350. Of 96, 5.4)

	Density	Relative Volume Loss	Requirement	Pass/Fail
Size 40	0.8 g/ml	70.3 mm ³	*	Pass

Remark: * = Density: ≤ 0.9 g/ml, Max. 250 mm³

Expanded Uncertainty: 1.76 mm³, with k= 1.96 at 95% Confidence Level.

4 Hydrocarbon Resistance (Soles)(Nch 1351/2 of 96)

		Requirement	Pass/Fail
Size 41	Black PU Compact Layer + Black PU Expanded Layer Volume Increase: +3.06%	Volume Increase: Max.12%(*)	Pass

Remark: * = If The Material Shows Shrinking Or Becomes Cracking, an Additional Test-Sample Must Be Taken And Test According To Nch 1351/2 Of 96.

5 Hydrolysis (Polyurethane Sole) (Nch1351/2.Of96, Annex, Preparation Of Specimen: 24 H At 23°C ± 2°C, Test Temperature: -5°C, Number Of Flexing Cycles: 150,000 Cycles)

		Requirement	Pass/Fail
Size 41	Cut Growth: 0.2 mm	*	Pass

Remark: * = The Increase Of The Cracks Must Not Be More Than 6 mm At 150,000 Flexing Cycles.

Expanded Uncertainty: 0.08 mm, with k=1.96 at 95% Confidence Level.

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