



LABOR METAL-FREE S3

LABORMF

Upper	Barton Action Leather
Lining	Mesh
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	Rubber
Toecap	Composite
Safety standard	S3 / HRO, SRC
Sample weight	0.682 kg
Norms	EN ISO 20345:2011 ASTM F2413:2018



BLK



Industries:

Industry

Maintenance instructions:

To extend the life of your shoes, we recommend to clean them regularly and to protect them with adequate products. Do not dry your shoes on a radiator, nor nearby a heat source.

	Description	Measure unit	Result	EN ISO 20345
Upper	Barton Action Leather			
	Upper: permeability to water vapor	mg/cm ² /h	2.2	≥ 0.8
	Upper: water vapor coefficient	mg/cm ²	25	≥ 15
Lining	Mesh			
	Lining: permeability to water vapor	mg/cm ² /h	59.9	≥ 2
	Lining: water vapor coefficient	mg/cm ²	480	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance	cycles	400	≥ 400
Outsole	Rubber			
	Outsole abrasion resistance (volume loss)	mm ³	122	≤ 150
	Outsole slip resistance SRA: heel	friction	0.41	≥ 0.28
	Outsole slip resistance SRA: flat	friction	0.41	≥ 0.32
	Outsole slip resistance SRB: heel	friction	0.23	≥ 0.13
	Outsole slip resistance SRB: flat	friction	0.33	≥ 0.18
	Antistatic value	MegaOhm	22.1	0.1 - 1000
	ESD value	MegaOhm	N/A	0.1 - 100
	Heel energy absorption	J	25	≥ 20
Toecap	Composite			
	Impact resistance toecap (clearance after impact 100J)	mm	N/A	NA
	Compression resistance toecap (clearance after compression 10kN)	mm	N/A	NA
	Impact resistance toecap (clearance after impact 200J)	mm	17.0	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	21.0	≥ 14

Sample size: 42

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