

TECHNICAL SHEET



Article: **B0168B TOLEDO**

Norm: **EN ISO 20345:2022**

Safety Class: **S1PL FO SR**

Sole	S55 BLACK
Weight, size 42:	610 g
Footwear height:	93 mm
Width:	11,5
Construction / Sole:	STROBEL; single density AirTech injected outsole
Anti-perforation insert	Fresh'n Flex ballistic fabric
Insole:	
Footbed supplied:	B07
Other usable Footbeds (certified):	Dry'n Air Gel; Dry'n Air Omnia; Dry'n Air Scan&Fit Omnia; Secosol; Secosol Dynamic

Entire footwear: protections

Component	Description	Value	Minimum Requirement	Norm
Steel toe-cap	Impact resistance (200J)	16 mm	≥ 14 mm	5.3.2.3
	Compression resistance (15kN)	17 mm	≥ 14 mm	5.3.2.4
Outsole (SR)	Slip Resistance 20345:2022			
	•Ceramic + Det. - Heel	0,36	≥ 0,31	5.3.5.2
	•Ceramic + Det. + Forepart	0,41	≥ 0,36	5.3.5.2
	•Ceramic + Glycerin (SR) - Heel	0,22	≥ 0,19	6.2.10.1
Fresh'n Flex (PL)	•Ceramic + Glycerin (SR) - Forepart	0,25	≥ 0,22	6.2.10.1
	Puncture resistance. 20345:2022	No perforation	No perforation at ≥1100N	6.2.1.1.3
Footwear with insole (A)	Antistatic properties			
	Electrical resistance	dry 115 MΩ- wet 66 MΩ	0,1 ÷ 1000 MΩ	6.2.2.2

Upper

Materials	Description	Value	Minimum Requirement	Norm
Suede/leather	Tear Strength	252 N	≥ 120 N	5.4.3
	Tensile Strength	25 N/mm ²	≥ 15 N/mm ²	5.4.4
	Water vapour permeability	3,1 mg/cm ² h	≥ 0,8 mg/cm ² h	5.4.6
	Water vapour coefficient	32,8 mg/cm ²	≥ 15mg/cm ²	5.4.6
	Chromium VI content (if leather)	Not detectable	Not detectable	6.11
	Water passed	N/A	≤ 0,2 g	6.3
	Water absorption	N/A	≤ 30%	6.3

Lining

Materials	Description	Value	Minimum Requirement	Norm
Hi-tech 3D fabric	Tear Strength	51 N	≥ 15 N	5.5.1
	Abrasion resistance	• No dry hole	No holes before 51,200 cycles	5.5.2
		• No hole in humid environment	No holes before 25,600 cycles	5.5.2
	Water steam permeability	80,1 mg/cm ² h	≥ 2,0 mg/cm ² h	5.5.3

Sole

Materials	Description	Value	Minimum Requirement	Norm
Single density AirTech outsole	Cleat height	3,9 mm	≥ 2,5 mm	5.8.1.3
	Tear Strenght	11,7 kN/m	≥ 5 kN/m	5.8.2
	Abrasion resistance	85 mm ³	≤ 250 mm ³	5.8.3
	Flexural resistance after 30,000 cycles	0,8 mm	≤ 4,0 mm	5.8.4
	Flexural resistance after 150,000 cycles (hydrolysis)	1,1 mm	≤ 6,0 mm	5.8.5
	Hydrocarbon resistance FO (volume change)	3 %	≤ 12%	6.4.2

Issued by: Innovation Director Ing. Cataldo De Luca**Signature**

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