

## TECHNICAL SHEET



**Article:** **B1041B K-BOOGIE**

**Norm:** **EN ISO 20345:2022**

**Safety Class:** **S3L HRO FO SR**

<b>Sole</b>	S31 YELLOW
<b>Weight, size 42:</b>	635g
<b>Footwear height:</b>	90 mm
<b>Width:</b>	11,5
<b>Construction / Sole:</b>	STROBEL; double density PU/Rubber cemented outsole
<b>Anti-perforation insert</b>	Fresh'n Flex ballistic fabric
<b>Insole:</b>	
<b>Footbed supplied:</b>	Dry'n Air Scan&Fit Omnia
<b>Other usable Footbeds (certified):</b>	Dry'n Air Scan&Fit Record; Secosol; Secosol Complete; Secosol Dynamic

## Entire footwear: protections

Component	Description	Value	Minimum Requirement	Norm
Aluminium toe-cap	Impact resistance (200J)	17.0 mm	≥ 14 mm	5.3.2.3
	Compression resistance (15kN)	21 mm	≥ 14 mm	5.3.2.4
Outsole (SR)	Slip Resistance 20345:2022			
	•Ceramic + Det. - Hill	0,46	≥ 0,31	5.3.5.2
	•Ceramic + Det. + Tip	0,40	≥ 0,36	5.3.5.2
	•Ceramic + Glycerin (SR) - Hill	0,22	≥ 0,19	6.2.10.1
Outsole (SRC)	Slip resistance 20345:2011			
	•SRA – Hill (angle of 7°)	0,45	≥ 0,28	5.3.5.2
	•SRA – sole (full sole)	0,42	≥ 0,32	5.3.5.2
	•SRB – Hill (angle of 7°)	0,23	≥ 0,13	5.3.5.3
Fresh'n Flex (PL)	•SRB – Sole (Full sole)	0,24	≥ 0,18	5.3.5.3
	Puncture resistance. 20345:2022			6.2.1.1.3
Footwear with insole (A)	Antistatic properties			
	• Electrical resistance		≥10 <sup>5</sup> Ω, ≤10 <sup>9</sup> Ω	6.2.2.2
Energy absorption (E)	Shock-absorption in the heel region	32 J	≥ 20 J	6.2.4

## Upper

Materials	Description	Value	Minimum Requirement	Norm
Water-resistant Nubuck leather	Tear resistance	215 N	≥ 120 N	5.4.3
	Traction resistance	N/A	≥ 15 N/mm <sup>2</sup>	5.4.4
	Water steam permeability	1,7 mg/cm <sup>2</sup> h	≥ 0,8 mg/cm <sup>2</sup> h	5.4.6
	Water steam coefficient	17,4 mg/cm <sup>2</sup>	≥ 15mg/cm <sup>2</sup>	5.4.6
	Chromium VI content (if leather)			6.11
	Water passed	0,0 g	≤ 0,2 g	6.3
	Water absorption	11 %	≤ 30%	6.3

## Lining

Materials	Description	Value	Minimum Requirement	Norm
Hi-tech 3D fabric	Tear resistance	47 N	≥ 15 N	5.5.1
	Abrasion resistance			5.5.2
				5.5.2
	Water steam permeability	21,1 mg/cm <sup>2</sup> h	≥ 2,0 mg/cm <sup>2</sup> h	5.5.3
	Chromium VI content (if leather)	N/A		5.5.5

## Sole

Materials	Description	Value	Minimum Requirement	Norm
Double density PU/HRO Rubber outsole	Profile height	4,0 mm	≥ 2,5 mm	5.8.2.3
	Tear resistance	8,3 kN/m	≥ 5 kN/m	5.8.3
	Abrasion resistance	75 mm <sup>3</sup>	≤ 150 mm <sup>3</sup>	5.8.4
	Notches increase after 30.000 cycles	1,5 mm	≤ 4mm	5.8.5
	Notches increase after 150.00 cycles (hydrolysis)	2,0 mm	≤ 6 mm	5.8.6
	Tread- Midsole detachment	4,7 N/m		5.8.7
	HRO Contact heat resistance (300°C)			6.4.1
	FO Fuel resistance (volume changes)	2,5 %	≤ 12%	6.4.2

Issued by: Innovation Director Ing. Cataldo De Luca

Signature



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