TECHNICAL DATA SHEET

SAFETY PANDA® Italian Style at Work

Name	Code
GHIBLI DIELECTRIC	**07777 SB E FO WRU P HRO SRC**

Product Range	Standard	EN ISO	Weight	Size range	Mondopoint	Packaging
TOPWINTER & FIERY	SB E FO WRU P HRO SRC	20345:2011	720 grams (1 shoe in size 42)	38 <> 48	11	6 pairs/carton (same size)

BEST SELLER

TECHNICAL SPECIFICATIONS

SOLE

Vibram® leads in high-performance rubber soles for safety footwear, where their soles blend unique designs with cutting-edge compounds. The TC4+ compound offers unmatched grip, stability, thermal insulation, and tear resistance.

SOLE FEATURES

ANATOMICAL INTERNAL PROFILE

self cleaning

ANTI TORSION

ARCH SUPPORT

PROTECTIVE ELEMENTS

SUPER SHIELD

Safety toe cap made from composite material, shielding toes from impacts up to 200 Joules and compressions up to 15 kN. It is non-magnetic, non-conductive, and provides superior thermal insulation

SUPER SHELL

Protective plate made from multi-layer polyester, 40% lighter than steel, yet equally resistant up to 1,100 Newtons. It is non-magnetic, insulating and hypoallergenic.

UPPER

IDRO BARTON LEATHER

A special tanning process involving a polyurethane film application makes this genuine leather completely water-resistant, offering enhanced protection.

LINING

SILON®

Microfiber lining, treated to inhibit bacterial and microbial growth, boasts exceptional breathability and superior abrasion resistance.

FOOTBED

DIELECTRIC® INSOLE

Removable insole that enhances the dielectric properties of footwear, offers anatomical comfort, and features moisture-wicking to keep feet dry and irritation-free.

EXTRA

INFINITY INSERT

EXTRA-COMFORT PADDINGS

REAR TAB

REFLECTOR

METAL FREE

SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	16,5
TOE CAP: Compression resistance	mm	≥ 14	20,5
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	pass
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	-
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	-
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	1,7
UPPER: Water vapour coefficient	mg/cm2	≥ 15	15,4
UPPER: Water penetration after 60 min	g	≤ 0,2	0,2
UPPER: Water absorption after 60 min	%	≤ 30	18,6
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	≥ 2,0	14,5
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	116,3
OUTSOLE: Abrasion resistance	mm3	≤ 150	125
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	33
OUTSOLE: Flexural resistance	mm	≤ 4	1,9
OUTSOLE: Interlayer bond strength	N/mm	≥ 4	6,4
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	1,6

ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear (Requirements IEC 61340-5-1:2016)	mA	≤ 1,00	-
Resistance to hot contact (HRO)	-	autsoles shall not melt and develop any cracks when bent	pass
Cold insulation of outsole complex (CI) 30min/-17°C (temperature decrease on the upper surface of the insock)	°C	≤ 10	-
Heat insulation of outsole complex (HI) 30min/150°C	°C	≤ 22	-
Water resistance (WR) (Total wetted area inside the footwear)	cm2	after 80 min.	-
Electric hazard resistance (EH) 18kV / 60 Hz (Electric flux)	MΩ	≤ 100	0,49

SOLE DESIGN AND PERFORMANCE

TRACTION | STABILITY | GRIP | BRAKING | SELF-CLEANING | LADDER GRIP

ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA

0	MINIMUM VALUE REQUIRED	20	TEST RESULT	44	120%

INDUSTRIES

STORAGE, CARE AND MAINTENANCE

- PANDA SAFETY footwear should be stored in original packaging, storage temperature should not exceed 35°C, humidity should be less than 80% and without the influence of direct sunlight.
- Sandals, shoes and boots should be cleaned after each use; dry off the shoes, not in proximity to or in direct contact with stoves or other sources of heat.
- Carry out the periodic treatment of the uppers with suitable products containing wax, grease, silicone, etc.
- Avoid contact with aggressive chemicals and extreme temperatures.
- Verify the good state before each use.