TECHNICAL DATA SHEET



Name		Code						
FLY GREY		11970 S1F	1970 S1PL FO SR					
Product Range	Standard	EN ISO	Weight	Size range	Mondopoint F	Packaging		
TOPSPORT	S1PL F0 SR	20345:2022	540 grams (1 shoe in size 42)	35 <> 50		pairs/carton same size)		
		TECHNICAL SPECIFICATIONS						
		🌭 💒						
	PRODUCT	😂 🚑						
		SOLE	SOLE FEATURES					
		Through detailed analysis of worker needs acros various industries, the PANDA SAFETY R&D team developed a groundbreaking sole. The TriDuraFlex [®] combining three distinct materials, optimizes com stability, and grip.	is ias sole,	elf 😂 ở Cleaning		ARCH		
		PROTECTIVE ELE	MENTS UPP	ER	LINING	FOOTBED		
		SHIELD	SHELL XX	JACQUARD® Abric		HÌGH -PER		
		Made from a high-strength aluminum alloy used in aerospace, this safety toe cap protects against impacts up to 200 Joules and compressions up to 15 Kilonewtons.	layer polyester, 40% lighter than steel, yet equally resistant up to 1,100 Newtons. It is non-magnetic, offering the	high-tenacity polya- s, this fabric provides asion resistance while textile's lightness and reathability.	Abrasion-resistant and breathab lining that maintains the ideal microclimate inside the footwea	from polyurethane and polyethe		
		EXTRA						
			EXTRA-COMFORT PADDINGS					
- Hand	- Au							

SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
TOE CAP: Impact resistance	mm	≥ 14	14,5
TOE CAP: Compression resistance	mm	≥ 14	20
ANTI-PUNCTURE PLATE: Penetration resistance	N	≥ 1.100	pass
FOOTWEAR: Antistatic properties (in wet condition)	MΩ	≥ 0,1	13,5
FOOTWEAR: Antistatic properties (in dry condition)	MΩ	≤ 1.000	300
UPPER: Water vapour permeability	mg/cm2*h	≥ 0,8	9,8
UPPER: Water vapour coefficient	mg/cm2	≥ 15	78,7
UPPER: Water penetration after 60 min	g	≤ 0,2	-
UPPER: Water absorption after 60 min	%	≤ 30	-
INTERNAL LINING: Water vapour permeability	mg/(cm2*h)	≥ 2,0	48,3
INTERNAL LINING: Water vapour coefficient	mg/cm2	≥ 20	386,8
OUTSOLE: Abrasion resistance	mm3	≤ 150	12
OUTSOLE: Energy absorption of seat region (E)	J	≥ 20	35
OUTSOLE: Flexural resistance	mm	≤ 4	0
OUTSOLE: Interlayer bond strength	N/mm	> 4	77

SOLE DESIGN AND PERFORMANCE



TRACTION STABILITY GRIP BRAKING SELF-CLEANING LADDER GRIP

OUISOLE: Intenayer bond strength	N/MM	24	1,1	
OUTSOLE: Resistance to fuel oil (FO)	%	≤ 12	0,9	

ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
Electrical resistance for ESD footwear	MΩ	≤ 1,00	-
Resistance to hot contact (HRO)	-	autsoles shall not melt and develop any cracks when bent	-
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)	cm2	after 80 min.	-
Electric hazard resistance (EH) 18kV / 60 Hz	MΩ	≤ 100	-



INDUSTRIES

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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.

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