



TECHNICAL DATA SHEET

PRODUCT: 9352-150P

PRODUCT SPECIFICATION	DETAILS
Product / article number	9352-150P
Fabric type	Woven fabric; plain weave
Nominal weight	150 g/m ² (150 GSM)
Fibre composition	93% Meta-aramid / 5% Para-aramid / 2% Antistatic fibre
Colour	Black
Intended segment	Heat- and flame-protective workwear fabric
TDS issue date	23 October 2026

PERFORMANCE OVERVIEW

TEST / METHOD	RESULT	STATUS / CLASS
Heat resistance / ISO 17493	180 ± 5°C for 5 minutes; no ignition, melting or shrinkage	PASS
Limited flame spread / ISO 15025	Surface ignition / edge ignition	A1 / A2
Convective heat / ISO 9151	Heat transfer classification value: 5.6 s	B1
Radiant heat / ISO 6942	RHTI24 result: 10.8 s	C1
Contact heat / ISO 12127-1	250°C; classification threshold: 11.2 s	F2
Electrostatic / EN 1149-3, EN 1149-5	Half-decay <0.01 s; shielding factor 0.9	PASS
Dimensional change / ISO 5077	Warp -3.0%; weft +2.0%	PASS
Tensile / ISO 13934-1	Mean: warp 870 N; weft 710 N	PASS
Single tear / ISO 13937-2	Mean: warp 64 N; weft 53 N	PASS

Performance figures are laboratory sample results, not a finished-garment approval. The product identifier is used for this commercial technical data sheet.



1. Industrial laundering and thermal resistance

Industrial wash pretreatment — ISO 15797:2018

PARAMETER	CONDITION
Procedure	Table 4, procedure 2
Cycles	5 industrial wash cycles
Washing temperature	75°C
Drying	Procedure A — tumble drying, 70°C
Detergent	Without optical brightener

Heat resistance — ISO 17493:2016

PARAMETER	RESULT
Oven temperature	180 ± 5°C
Exposure	5 minutes
Ignition / melting	Not observed
Dimensional variation in heat	0% warp / 0% weft for all three specimens
Assessment	PASS

Limited flame spread — EN ISO 15025:2016

OBSERVATION	METHOD A (SURFACE)	METHOD B (EDGE)
Upper/side-edge flame spread	No	No
Afterflame time	0 s	0 s
Afterglow time	0 s	0 s
Melting / loose debris	No	No
Hole formation (Method A)	No	Not applicable
Classification	A1	A2

The flame-spread results include specimens assessed before and after the specified washing pretreatment.



2. Thermal protection performance

Convective heat — EN ISO 9151:2016

SPECIMEN	HTI12 (s)	HTI24 (s)
1	3.8	6.0
2	3.7	5.8
3	3.7	5.8
Reported average	3.7	5.9
Classification value	3.7	5.6

Heat flux density: 79.23 kW/m². **Performance classification: B1.**

Radiant heat — EN ISO 6942:2022

SPECIMEN	TF (%)	RHTI12 (s)	RHTI24 (s)
1	65.9	5.9	10.9
2	65.9	5.8	10.8
3	68.9	6.0	10.8
Average	66.9	5.9	10.8
Classification result	65.9	5.8	10.8

Incident heat flux: 20.02 kW/m². **Performance classification: C1.**

Contact heat — EN ISO 12127-1:2015

SPECIMEN	CONTACT TEMPERATURE	THRESHOLD TIME
1	250°C	11.82 s
2	250°C	11.35 s
3	250°C	11.18 s
Average	250°C	11.4 s
Classification value	250°C	11.2 s

Performance classification: F2.



3. Mechanical properties and dimensional stability

Tensile strength — EN ISO 13934-1:2013 (strip method)

SPECIMEN	WARP (N)	WEFT (N)
1	840	700
2	860	700
3	850	720
4	870	710
5	900	710
Reported average	870	710

Reported elongation at maximum load: warp 29%; weft 26.5%. Minimum strength criterion: 300 N in each direction. **PASS.**

Tear resistance — EN ISO 13937-2:2000 (single tear)

SPECIMEN	WARP (N)	WEFT (N)
1	57.3	54.6
2	54.1	54.3
3	72.9	53.6
4	68.8	55.7
5	64.9	48.8
Reported average	64	53

Minimum tear criterion: 10 N in each direction. **PASS.**

Dimensional change — EN ISO 5077:2008

DIRECTION	CHANGE AFTER 5 WASH CYCLES	ASSESSMENT
Warp	-3.0%	PASS
Weft	+2.0%	PASS

Negative values indicate shrinkage; positive values indicate extension.



4. Electrostatic properties and technical notes

Electrostatic charge decay — EN 1149-3:2004, Method 2

MEASUREMENT	SPECIMEN 1	SPECIMEN 2	SPECIMEN 3
Half-decay time, t50	<0.01 s	<0.01 s	<0.01 s
Shielding factor, S	0.90	0.90	0.90

Reported average: t50 <0.01 seconds; shielding factor 0.90. Requirement under EN 1149-5:2018: t50 <4 s **or** S >0.2.

PASS.

Assessment criteria

PROPERTY	PERFORMANCE CRITERION
Heat resistance	No ignition or melting; maximum thermal shrinkage 5%
Dimensional change	Within ±3% for woven textiles
Tensile strength	At least 300 N in warp and weft
Tear strength	At least 10 N in warp and weft
Flame spread	No propagation to edge, molten debris or afterflame/afterglow beyond limits
Convective / radiant / contact heat	B1 / C1 / F2 are separate test-based classes

Important use and interpretation notes

All technical figures describe samples assessed under stated test conditions. Fabric performance alone does not determine compliance of a completed protective garment. Final suitability depends on garment construction, accessories, hazard assessment, care instructions and relevant conformity evaluation.

*The commercial designation **9352-150P** does not by itself establish equivalence to the originally tested sample; confirm material and production equivalence before making any independent certification or compliance claim.*