

Application of Needle Punched Nonwoven by TCH Suminoe for Shoes/Footwear application

Our Needle-punched nonwovens display excellent abrasion resistance. We also offer durable yet soft lining materials with comfortable feel. Our range includes highly-durable nonwovens for safety footwear linings. Extremely abrasion-resistant and durable, their toughness. Product Application are used for PVC or other layer substrates, reinforcement, in-sole, vamp or top lining and structure for fabrics. For instance,

Category	Application
1. Nonwoven material used for lining in shoes.	Inside Lining
2. Nonwoven material used for duplication with top material for textile shoes.	Inside Lining
3. Hard non-woven material used for stiff shoe parts.	Inside Lining
4. Non-woven material used for lining in modeling and casual shoes	Inside Lining
5. Nonwoven material used for making a vamp in shoes.	Vamp / top
6. Nonwoven material used for the inside lining of the boots (stocking of the boot).	Vamp / top
7. Non-woven material used for the top of the shoe .	Vamp / top
8. Nonwoven material used for making the basic insole.	Insole
9. Nonwoven material used for the making of a pad in the sole of shoes.	Insole
10. Nonwoven material used for making the molded insole.	Insole
11. Nonwoven material used for making the top insole.	Insole


1. Nonwoven material used for lining in shoes.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	NWL1	200 ± 20	1,5 ± 0,2	150 ± 2	Black	PET-100%	Inside lining
2	NWL2	200 ± 20	1,5 ± 0,2	150 ± 2	Dark-Grey		
3	NWL3	250 ± 25	1,6 ± 0,2	150 ± 2	Black		
4	NWL4	280 ± 25	1,7 ± 0,2	150 ± 2	Grey		
5	NWL5	300 ± 25	1,8 ± 0,2	150 ± 2	Black		
6	NWL6	350 ± 25	1,9 ± 0,2	150 ± 2	Black		
7	NWL7	400 ± 30	2,1 ± 0,2	150 ± 2	Black		

2. Nonwoven material used for duplication with top material for textile shoes.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	NWT1	200 ± 20	1,6 ± 0,2	162 ± 2	Grey	PET-100%	Inside lining
2	NWT3	200 ± 20	1,6 ± 0,2	162 ± 2	Black		
3	NWT2	240 ± 25	1,8 ± 0,2	162 ± 2	Grey		
4	NWT4	250 ± 25	1,8 ± 0,2	162 ± 2	Black		

3. Hard non-woven material used for stiff shoe parts.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	SP 2/1 PP-100	400 ± 40	1,7 ± 0,2	150 ± 4	Black	PET, polymer composition	Inside lining
2	SP 2/3 PP-100	600 ± 50	2,1 ± 0,2	150 ± 4	Black		
3	SP 2/1 VI-NP-100	400 ± 40	1,7 ± 0,2	150 ± 4	Grey		
4	SP 2/3 VI-NP-100	560 ± 50	2,1 ± 0,2	150 ± 4	Grey		
5	SP 2/3 VI-PP-100	560 ± 50	2,1 ± 0,2	150 ± 4	Grey		

4. Non-woven material used for lining in modeling and casual shoes.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	NNWL1	220 ± 20	1,8 ± 0,2	150 ± 2	Black	PET-100%	Inside lining
2	NNWL10	220 ± 20	2,0 ± 0,2	150 ± 2	Light-Beige		
3	NNWL2	220 ± 20	1,8 ± 0,2	150 ± 2	Black		
4	NNWL3	220 ± 20	2,0 ± 0,2	150 ± 2	Black		
5	NNWL4	260 ± 20	2,0 ± 0,2	150 ± 2	Black		
6	NNWL5	260 ± 20	2,0 ± 0,2	150 ± 2	Black		
7	NNWL8	260 ± 20	2,0 ± 0,2	150 ± 2	Dark-Grey		
8	NNWL9	260 ± 20	2,0 ± 0,2	150 ± 2	Light-Grey		
9	NNWL6	300 ± 30	2,2 ± 0,2	150 ± 2	Black		
10	NNWL7	300 ± 25	2,2 ± 0,2	150 ± 2	Black		

5. Nonwoven material used for making a vamp in shoes.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	NWV1	200 ± 20	1,5 ± 0,2	150 ± 2	Dark-Grey	PET-100%	Vamp / top
2	NWV2	260 ± 25	1,8 ± 0,2	150 ± 2	Dark-Grey		Vamp / top

6. Nonwoven material used for the inside lining of the boots (stocking of the boot).

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	NWL1	350 ± 25	3,0 ± 0,2	154 ± 2	Grey	PET-100%	Vamp / top
2	NWL2	400 ± 25	3,4 ± 0,2	153 ± 2	Grey		Vamp / top
3	NWL3	400 ± 25	3,2 ± 0,2	168 ± 2	Grey		Vamp / top
4	NWL4	400 ± 25	3,2 ± 0,2	168 ± 2	Light-Grey		Vamp / top
5	NWL5	500 ± 40	3,5 ± 0,2	168 ± 2	Grey		Vamp / top

7. Non-woven material used for the top of the shoe .

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	NNWT1	300 ± 25	2,5 ± 0,2	150 ± 2	Black	PET-100%	Vamp / top
2	NNWT2	300 ± 25	2,5 ± 0,2	150 ± 2	Black with Graying		Vamp / top

8. Nonwoven material used for making the basic insole.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	NW	530 ± 50	2,0 ± 0,2	140 ± 5	White	PET, polymer composition	Insole
2	SA 7/3 SHL-NP-50	530 ± 50	2,0 ± 0,2	140 ± 5	White		
3	SA 7/3 CH-NP-50	530 ± 50	2,0 ± 0,2	140 ± 5	Black		
4	SA 7/3 VIL-NP-50	530 ± 50	2,0 ± 0,2	140 ± 5	Grey		
5	SA 7/3 VI-NP-50	530 ± 50	2,0 ± 0,2	140 ± 5	Grey		

9. Nonwoven material used for the making of a pad in the sole of shoes.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	S 3/4	350 ± 25	1,9 ± 0,2	150 ± 2	Black	PET-100%	Insole
2	S 3/6	400 ± 30	2,1 ± 0,2	150 ± 2	Black		

10. Nonwoven material used for making the molded insole.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	S 13/8 SL	500 ± 30	3,0 ± 0,2	153 ± 2	Grey	PET-100%	Insole
2	S 13/9 SL	550 ± 30	3,4 ± 0,2	153 ± 2	Grey		
3	S 13/9 BL	550 ± 30	3,0 ± 0,2	153 ± 2	White		
4	S 2/9 SL	550 ± 30	3,0 ± 0,2	153 ± 2	Grey	PET, polymer composition	Insole
5	SP 2/3 VI-NP-100	560 ± 50	2,1 ± 0,2	150 ± 4	Grey		
6	SP 2/3 VI-PP-100	560 ± 50	2,1 ± 0,2	150 ± 4	Grey		
7	SP 2/6 PP-50	600 ± 50	3,5 ± 0,3	150 ± 4	Black		

11. Nonwoven material used for making the top insole.

No	Product code	Surface density, g/m ²	Thickness, mm	Width, cm	Color	Raw material composition	Application
1	SP 2/1 PP-100	400 ± 40	1,7 ± 0,2	150 ± 4	Black	PET, polymer composition	Insole
2	SP 2/1 VI-NP-100	400 ± 40	1,7 ± 0,2	150 ± 4	Grey		
3	SA 2/3 SHS-NP-65	460 ± 40	1,8 ± 0,2	145 ± 5	Light-Grey		
4	SA 2/3 SHS-NP-65	460 ± 40	1,8 ± 0,2	145 ± 5	Light-Grey		
5	SA 2/3 NP-65	490 ± 40	1,8 ± 0,2	144 ± 5	Black		
6	SA 2/4 VI-NP-65	520 ± 50	2,0 ± 0,2	144 ± 5	Grey		
7	SA 2/3 NP-65	550 ± 50	2,0 ± 0,2	148 ± 3	Black		
8	SP 2/3 VI-NP-100	560 ± 50	2,1 ± 0,2	150 ± 4	Grey		
9	SP 2/3 VI-PP-100	560 ± 50	2,1 ± 0,2	150 ± 4	Grey		
10	SP 2/3 PP-100	600 ± 50	2,1 ± 0,2	150 ± 4	Black		