



**REPORT NUMBER:** 01562-26  
**RECEIVING DATE:** Dec 11, 2025  
**REPORT ISSUE DATE:** Jan 21, 2026  
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**Applicant:** Billoo PPE Private Limited / Forte Gloves  
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Sample submitted and identified as:

<b>Manufacturer:</b>	Billoo PPE Private Limited / Forte Gloves
<b>Buyer:</b>	/
<b>Article No:</b>	Law Enforcement Glove
<b>Style No:</b>	BFG-234
<b>PPE Type:</b>	Gloves
<b>PPE Category:</b>	II
<b>Color:</b>	/
<b>Variants for basic model</b>	/
<b>Prev. Report:</b>	36691-25
<b>Size Range:</b>	/
<b>Country of Origin:</b>	Pakistan
<b>Country of Destination:</b>	/
<b>Sample description:</b>	Tactical Rope Rescue Glove In Cowhide Semi-Aniline WR Black Leather With Grippy Finish, Re-Enforcement Palm In Suede Leather. Lined With 100% Kevlar Interlock Knitted Fabric For Protection Against Heat (Friction Burns) and Rubs (Abrasion). Spandex Fabric Back. Neoprene With Velcro Strap. Touch Sensitive Fabric Patch On Finger/Thumb.
<b>Testing period:</b>	11 December 2025 – 21 January 2026

Signed on the behalf of:  
Tti Testing Laboratories

**Ali Ashraf**  
AVP Softlines

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## Conclusion:

Sr. No	Test properties	Test Standard	Performance Levels / Results
1.	Abrasion Resistance	EN 388:2016+A1:2018 § 6.1	Level 3
2.	Blade cut resistance – Coupe test	EN 388:2016+A1:2018 § 6.2	Level 3
3.	Tear resistance	EN 388:2016+A1:2018 § 6.4	Level 3
4.	Puncture Resistance	EN 388:2016+A1:2018 § 6.5	Level 3
5.	Contact Heat	EN 407:2020 § 4.5.3	Level 3

## Samples conditioning:

The test specimens are conditioned in controlled environment maintained at  $23\pm 2^{\circ}\text{C}$  and  $50\pm 5\%$  relative humidity for 24 hours.

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### Test Results:

1. **Abrasion Resistance:**

EN 388:2016+A1:2018 § 6.1

Abrasive Paper: Klingspor PL31B, Grit 180

Adhesive Tape: Polyken® tape<sup>4</sup>

Pre-Treatment: Original state

Material: (Palm Area)	Unit	Suede Leather	Grain Leather	Kevlar	Sum	Requirement
Specimen 1:	Rubs	>2000-<8000	>2000-<8000	>100-<500	>2000-<8000	/
Specimen 2:		>2000-<8000	>2000-<8000	>100-<500	>2000-<8000	
Specimen 3:		>2000-<8000	>2000-<8000	>100-<500	>2000-<8000	
Specimen 4:		>2000-<8000	>2000-<8000	>100-<500	>2000-<8000	
Minimum value:		>2000-<8000				
<b>Performance Level:</b>		<b>3</b>				

Test parameter	Performance levels			
	1	2	3	4
Abrasion resistance – (minimum number of rubs)	100	500	2000	8000

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**2. Blade Cut Resistance:**

EN 388:2016+A1:2018 § 6.2

Pre-Treatment: Original state

**Material: Suede Leather + Grain Leather + Kevlar (Palm Area)**

Test Specimen No: 1

Sequence	Control Specimen		Test Specimen		Control Specimen		C <sub>n</sub>	I <sub>n</sub>
1	C <sub>1</sub>	0.8	T <sub>1</sub>	4.7	C <sub>2</sub>	0.9	0.8	6.52
2	C <sub>2</sub>	0.9	T <sub>2</sub>	7.0	C <sub>3</sub>	1.0	0.9	8.36
3	C <sub>3</sub>	1.0	T <sub>3</sub>	8.8	C <sub>4</sub>	1.2	1.0	9.00
4	C <sub>4</sub>	1.2	T <sub>4</sub>	10.9	C <sub>5</sub>	1.5	1.2	9.07
5	C <sub>5</sub>	1.5	T <sub>5</sub>	12.8	C <sub>6</sub>	1.5	1.5	9.53
							Index 1	8.49

Test Specimen No: 2

Sequence	Control Specimen		Test Specimen		Control Specimen		C <sub>n</sub>	I <sub>n</sub>
1	C <sub>1</sub>	0.8	T <sub>1</sub>	4.4	C <sub>2</sub>	1.0	0.8	5.88
2	C <sub>2</sub>	1.0	T <sub>2</sub>	5.2	C <sub>3</sub>	1.1	1.0	5.95
3	C <sub>3</sub>	1.1	T <sub>3</sub>	9.4	C <sub>4</sub>	1.2	1.1	9.17
4	C <sub>4</sub>	1.2	T <sub>4</sub>	9.4	C <sub>5</sub>	1.4	1.2	8.23
5	C <sub>5</sub>	1.4	T <sub>5</sub>	11.3	C <sub>6</sub>	1.5	1.4	8.79
							Index 2	7.60

<b>Final Index value:</b>	<b>7.60 ±0.81</b>
<b>Final Level Achieved:</b>	<b>3</b>

**Note:** Blades: OLFA® RB 45mm

Control Fabric: Cotton Canvas

Test parameter	Performance levels				
	1	2	3	4	5
Cut resistance – Coupe test (minimum index)	1.2	2.5	5.0	10	20

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**3. Tear Resistance:**

EN 388:2016+A1:2018 § 6.4

Pre-Treatment: Original state

Material: (Palm Area)	Unit	Direction	Suede Leather	Grain Leather	Kevlar	Requirement
Specimen 1:	N	1	53	56	62	/
Specimen 2:		1	63	67	60	
Specimen 3:		2	69	46	50	
Specimen 4:		2	73	66	45	
Minimum value:		/	53 ±2.65			
<b>Performance Level:</b>			<b>3</b>			

Test parameter	Performance levels			
	1	2	3	4
Tear resistance (Minimum force N)	10	25	50	75

**4. Puncture Resistance:**

EN 388:2016+A1:2018 § 6.5

Pre-Treatment: Original state

Material: Suede Leather + Grain Leather + Kevlar (Palm Area)	Unit	Results	Requirement
Specimen 1:	N	126	/
Specimen 2:		120	
Specimen 3:		121	
Specimen 4:		146	
Minimum value:		120 ± 5.52	
<b>Performance Level:</b>		<b>3</b>	

Test parameter	Performance levels			
	1	2	3	4
Puncture resistance (Minimum force – N)	20	60	100	150

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**5. Contact Heat:**

EN 407:2020 § 4.5.3

Tested in accordance with EN ISO 12127-1:2015

Pre-Treatment: Original state

Material No: (Palm Area)	Test Temperature T <sub>c</sub>	Threshold Time t <sub>t</sub> (Sec)	Requirement
Specimen 1	350°C	16.3	/
Specimen 2	350°C	15.9	
Specimen 3	350°C	16.0	
Mean value	350°C	15.9 ±0.73	
Performance Level	3		
Observation	No sign of melting or holing observed.		
Remarks:	Test performed on short sample as per client request.		

Test parameter	Table - Performance levels EN 407:2020 § 4.5.3			
	1	2	3	4
Contact temperature T <sub>c</sub> (°C)	100°C	250°C	350°C	500°C
Threshold time t <sub>t</sub> (sec)	≥ 15	≥ 15	≥ 15	≥ 15

**Remarks:**

The reported expanded uncertainty is based on combined standard uncertainty multiplied by a coverage factor k=2, providing a coverage probability of approximately 95%.

----- END OF REPORT -----

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