

# Shchelkovskaya Silk-Weaving Factory Closed Joint-Stock Company

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## Fabrics of aramid yarns for producing body protectors

Fabric Item Number	50x200mm stripbreaking strength, kilogram-force / N, not less than		50x200 mm stripstretch at break mm, % , not less than		Fabric Width, cm	Surface Weight g / m <sup>2</sup> , not more than	Weave
	warp	weft	warp	weft			
<b>84298 WR</b>	<b>612 / 6000</b>	<b>612 / 6000</b>	<b>4,0</b>	<b>4,0</b>	105±2	127±5	twill
	Water absorption not more than 10.0% 30- layer package 50% non-penetration speed, not less than: - dry -565m / s; - after 1-hourwater immersion and 5min running - off-565m / s.						
<b>84200 WR</b>	<b>735 / 7200</b>	<b>735 / 7200</b>	<b>3,5</b>	<b>3,5</b>	105±2	145±10	twill
	Water repellency, not less than 70 points. Bullet-proof durability of the protective structure (18 ply package), with a 9-mm APS pistol, ind. 56-A-126, after soaking in water, the speed - (335 ± 10) m / s. Protective properties of an 20-layer package should provide resistance to the impact of a bayonet-knife 6x5 index factory-sharpened knife-bayonet with (49 ± 1) J –impact energy. Cold steel blade penetration depth (entrance length) behind the back of a protective structure: not more than 5 mm. Protective properties, 18- layer package 50% non-penetration speed, not less than: -water- soaked- 500 m / s.						
<b>84134 WR</b>	<b>612 / 6000</b>	<b>612 / 6000</b>	<b>4,0</b>	<b>4,0</b>	160±2	160 +5 -2	plain
	Water absorption, no more than 10%. Bullet-proof durability of the protective structure (18 ply package), with a 9-mm APS pistol, ind. 56-A-126, after soaking in water, the speed - (335 ± 10) m / s. Protective properties of an 20-layer package should provide resistance to the impact of a bayonet-knife 6x5 index factory-sharpenedknife- bayonet with (49 ± 1) J –impact energy. Cold steel blade penetration depth (entrance length) behind the back of a protective structure: not more than 5 mm. Protective properties, 22- layer package 50% non-penetration speed, not less than: -water- soaked- 500 m / s.						
<b>84195 WR</b>	<b>918 / 9000</b>	<b>1020 / 10000</b>	<b>9,0</b>	<b>3,0</b>	102±2	300±20	plain
	Water absorption, not more than 12.0%						
<b>84193 WR</b>	<b>765 / 7500</b>	<b>714 / 7000</b>	<b>4,0</b>	<b>3,0</b>	102±2	220± 20	plain
	Water absorption, not more than 12.0%						
<b>8483 (fin)</b>	<b>300 / 2940</b>	<b>300 / 2940</b>	<b>not more than 8.0</b>	<b>not more than 7.0</b>	98±2	100	plain
<b>8483 «R»</b>	<b>448 / 4400</b>	<b>448 / 4400</b>	<b>not more than 8.0</b>	<b>not more than 7.0</b>	104±2	110	plain
<b>84346 WR</b>	<b>224 / 2200</b>	<b>204 / 2000</b>	<b>10,0</b>	<b>10,0</b>	102±2	265±10	plain
	Water absorption, not more than 13.0%						
<b>84279 WR</b>	<b>643 / 6300</b>	<b>643 / 6300</b>	<b>3,0</b>	<b>3,0</b>	105±2	125± 10	twill

	<p>Water absorption not more than 10.0%.          Bulletproof durability of a 20-layerpackage, with a 9 mm APS pistol, ind. 56-A-126, after soaking in water, the speed - (335 ± 10) m / s.          Protective properties of an 24-layer package should provide resistance to the impact of a bayonet-knife 6x5 index factory-sharpenedknife- bayonet with (49 ± 1) J –impact energy. Cold steel blade penetration depth (entrance length) behind the back of a protective structure:          not more than 5 mm.          Protective properties, the rate of 50% non-penetration of a package of 20 layers of fabric, after exposure to water, atleast - 500 m / s.</p>						
<b>84352 WR</b>	<b>622 / 6100</b>	<b>724 / 7100</b>	<b>3,0</b>	<b>3,0</b>	102±2	200±20	plain
	<p>Water absorption, not more than 10,0%          Bullet-proof durability of the protective structure (20 ply package), with a 9 mm APS pistol, ind. 56-A-126, after exposure to water, speed - (335 ± 10) m / s.          Protective properties of an 25-layer package should provide resistance to the impact of a bayonet-knife 6x5 index factory-sharpenedknife- bayonet with (49 ± 1) J –impact energy. Cold steel blade penetration depth (entrance length) behind the back of a protective structure:          not more than 5 mm.          Protective properties, 25- layer package 50% non-penetration speed, not less than: -water- soaked- 500 m / s.</p>						
<b>P 84210 WR</b>	<b>510 / 5000</b>	<b>612 / 6000</b>	<b>7,0</b>	<b>2,5</b>	105±3	165±10	plain
	Water repellency, not less than 80 points						
<b>T 84210 WR</b>	<b>612 / 6000</b>	<b>510 / 5000</b>	<b>3,0</b>	<b>2,5</b>	105±3	165±10	twill
	Water repellency, not less than 80 points						
<b>84320 WR</b>	<b>714 / 7000</b>	<b>714 / 7000</b>	<b>5,0</b>	<b>3,0</b>	105±2	265±10	plain
	<p>Water-repellent 80 points.          Protective properties of a 16-layer package, with the Makarov pistol (MP), 57-N-181S 9-mm cartridge with a steel core bullet, speed, m / s : dry: 305-325.          Protective properties of an 18-layer package should provide resistance to the impact of a bayonet-knife 6x5 index factory-sharpenedknife- bayonet with (49 ± 1) J –impact energy. Cold steel blade penetration depth (entrance length) behind the back of a protective structure: not more than 5 mm.</p>						
<b>84301 (fin.)</b>	<b>388 / 3800</b>	<b>367 / 3600</b>	<b>4,0</b>	<b>4,0</b>	98±2	87±5	atlas
<b>84300 (fin.)</b>	<b>408 / 4000</b>	<b>408 / 4000</b>	<b>8,5</b>	<b>3,5</b>	101±2	115	twill
	The air permeability of the fabric is (70-180) dm <sup>3</sup> /m <sup>2</sup> s, with ΔP-5mm water.st.						
<b>84334 (fin.)</b>	<b>160/1568</b>	<b>165/1617</b>	<b>8,0</b>	<b>8,0</b>	100±2	75±5	twill
<b>84351 WR</b>	<b>624 / 6120</b>	<b>673 / 6600</b>	<b>3,5</b>	<b>3,5</b>	105±2	113±10	twill
	<p>Water absorption, not more than 11,0%          Bullet-proof durability of the protective structure (24 ply package), with a 9 mm APS pistol, ind. 56-A-126, after exposure to water, speed - (335 ± 10) m / s.</p>						
<b>84268 (fin.)</b>	<b>306 / 3000</b>	<b>306 / 3000</b>	<b>3,5</b>	<b>3,0</b>	105±2	100±15	plain
<b>84204 (fin.)</b>	<b>612 / 6000</b>	<b>510 / 5000</b>	<b>5,0</b>	<b>4,0</b>	105±2	180±10	plain
<b>84302 WR</b>	<b>714/7000</b>	<b>714/7000</b>	<b>6,0</b>	<b>3,0</b>	104±2	190	plain or twill
	<p>Water absorption, not more than 13%          Protective properties, speed of 50% of non-penetration of a package from a 22-layer package, m / sec, not less:          - dry - 505          - after exposure to water - 505</p>						

Note: "WR" - water-repellent; "T" – twill weave; "P" - plain weave; « fin.» - finished, R - reinforced