Tel: +7-8442-53-00-90 Mob.: +7 905-393-00-90

Email: info@omegavlg.com, www.omegavlg.com



ARAMID FABRICS, YARNS, THREADS, TAPES

- Fabrics are used both for the production of soft bulletproof vests with multilayer fabric panels, and hard ones with the inclusion of steel or ceramic plates
- The use of textile solutions from aramid materials for ballistic protection products has a number of significant advantages: functionality, economy, stability, flexibility and ease of handling and processing of the material, the possibility of manufacturing water-repellent and laminated material for a higher level of protection, softness, lightness and comfort of wearing ready-made body armor.







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Fabric number	War	p		Weft	Fabric width,	Surface density,	Weave
	Breaking load of a strip of fabric measuring (50x200) mm, kgf/N, not less	Elongation at break of a strip of fabric of size (50X200) mm,%, not less than	Breaking load of a strip of fabric measuring (50x200) mm kgf/N, not less	Elongation at break of a strip of fabric size (50x200) mm,%, not less	(cm)	(g/m2)	
1	2	3	4	5	6	7	8
84298WI	612/6000	4,0	612/6000	4,0	105 <u>+</u> 2	127 <u>+</u> 5	twill 2/2
	Water absorption no r Speed of 50% non-per in the dry stat after immersion	netration of a packag e -565m /s		ot less than: of draining -565m /s			













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84200WI	612/6000	3,5	612/6000	3,5	105 <u>+</u> 2	145 <u>+</u> 10	twill 3/3
	layers, not less After soaking i Bulletproof res 9mm APS pisto After aging in The protective protective stru with impact er The penetration	perties, 50% non-positions than: n water - 500m /s. sistance of protection, ind. 56-A-126 spowater, at least - (33 per properties of a 20 pergy (49 + 1) J.	ve structures (18- eed, m /s: 35 + 10). I-layer package sh 1744), bayonet kni	a package of 18 fabric layer package), ould ensure the class of ife ind.6x5 factory sharpening			
84197WI	612/6000	3,0	714/7000	3,0	102 <u>+</u> 2	200 <u>+</u> 20	canvas
	Water absorption, not	more than 12.0%					
8419WI	918/9000	9,0	1020/10000	3,0	102 <u>+</u> 2	300 <u>+</u> 20	canvas
	Water absorption, no more than 12%						
84210WT					105 <u>+</u> 3	165 <u>+</u> 10	canvas
WI	Water repellent, not le	ess than 80 points.					













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84210PW	612/6000	3,0	510/5000	2,5	105 <u>+</u> 3	3 165 <u>+</u> 10	twill 2/2
WI	Water repellent, not le	ess than 80 point	S				
84320WI	714/7000	5,0	714/7000	3,0	103 <u>+</u> 2	265 <u>+</u> 10	canvas
	57-H-181C wit in dry form 30 • The protective the effects of a (49 + 1) J. The	perties of a 16-la h a bullet Pst., Sp 95-325. properties of th a bayonet-knife i e penetration de e protective struc	e 18-layer packag nd.6x5 factory sh oth (entry length cture is not more				
84301F	388/3800	4,0	367/3600	4,0	98 <u>+</u> 2	87 <u>+</u> 5	satin 8/3
84300F	408/4000	8,5	408/4000	3,5	101 <u>+</u> 2	Не более 115	twill 1/2













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84299WI	633/6200	4,0	633/6200	4,0	105 <u>+</u> 2	145 <u>+</u> 10	satin 8/3
	Water repellent - at leas Protective properties, sp less than:	n-penetration of					
84302WI	714/7000	6,0	714/7000	3,0	104 <u>+</u> 2	not more 190	canvas / twill
	Water absorption,%, not Protective properties, sp package, m / s, not less t	eed of 50% no han: o water-505	n-penetration of	a package from a 22-layer ner.		190	













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84134WI	612/6000	4,0	612/6000	4,0		105 <u>+</u> 2	160 <u>+</u> 5	canvas
	 Water absorption, not more than 10.0% Bulletproof resistance of the protective structure (18-layer bag), 9 mm APS pistol, ind. 56-A-126 speed, m / s: After aging in water, at least - (335 + 10). The protective properties of a 20-layer package should provide a protective structure class C (GOST R 50744), a bayonet-knife ind.6x5 factory sharpening with impact energy (49 + 1) J. The penetration depth (exit length) of the cold steel blade beyond the back of the protective structure is not more than 5 mm. Protective properties, speed of 50% non-penetration (22-layer package), m / s: After exposure to water, not less than -500. 							
«PW»-plain we	*****							
«F»-finished	Links with the second	ala da la accada a				100 150	110+15	
KV110	Lightweight plain weave for macromolecule structure aramid yarns. Finishing Options: finished washed water repellent.			erties compared to the known		100-150	110±15	canvas













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KV110	Lightweight twill weave based on a unique microfilament yarn. Lightweight fabric made of special Ruslan® aramid threads, consisting of many of the thinnest filaments, is intended not only for elite protective body armor, but also for laminates for helmets and protective panels. Finishing Options: Finished Washed Impregnated Impregnated	100-150	110±15	twill
KV12!	Medium plain weave fabric based on high strength yarn. Finishing Options: • water-repellent impregnation • boiled • appropriated • applied with water-repellent impregnation.	105±2	125±10	canvas













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KV125T	Lightweight twill weave fabric based on high strength yarn. Finishing Options: • water-repellent impregnation • boiled • microfilament with water-repellent impregnation • dressed • dressed with water-repellent impregnation.	105±2	125±5	twill
KV130P	Medium plain weave fabric based on high strength yarn.	100-150	130±15	canvas













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KV145A	Medium satin weave fabric based on high strength yarn.	98	145±10	satin
KV145T	Lightweight twill weave fabric based on high strength yarn. Designed to provide armor protection from bullets and shrapnel, provides stable ballistic performance, is used for body armor 2-5 class. Finishing Options: • boiled • finished.	105±2	145±10	twill













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KV160P	Medium plain weave fabric based on high strength yarn. Finishing Options: water-repellent impregnation.	105±2	160 <u>+5</u>	canvas
KV165P	Medium plain weave fabric based on high strength yarn. The fabric has good strength at low density, has high ballistic performance.	105±2	165±5	canvas













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KV170P	Medium plain weave fabric based on high strength yarn. Finishing Options: • harsh • boiled • water-repellent impregnation.	105±2	170	canvas
KV220P	Medium plain weave fabric based on high strength yarn Finishing Options:	105±2	220	canvas













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ARAMID THREADS							
	Linear density, tex:	6,0 11,1 14,3. 29,4. 60,0					
ARMOS	Tensile strength cN / Tex:	sN / Tex: 260-290					
	Elastic modulus kgf / mm2 (GPa)	15000-16500					
	Elongation,%, not less than:	3,0					
	Strength of the thread in microplastic kgf / mm2:	550-600					
	Density g/cm3:	1,45					
Applicable: ir	n armor protection of equipment, bulletproof vests of various as	ssortment, safety helmets					
Aramid	Linear density, tex:	29,4 58,8					
Thread	Breaking load, cN / tex, not less than:	38					
Arlan	3 7 	36					
Arlan	Breaking elongation,%, not less than:	10,0					
Arlan							
Arlan	Breaking elongation,%, not less than:	10,0					













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		ARAMID TAPES	
Aramid Tape s3164	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	30 0,74 82 6,96 Inelastic	
Aramid tape s3163	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	25 0,75 72 5,72 Inelastic	
Aramid Tape s3025	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of: Ultimate tensile strength:	45+1 2,5 2500 75 Inelastic 7%	













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Aramid tape s2272	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	25 ± 2 1,2 1000 13,0 Inelastic	
Aramid tape s2273	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	4 +2/-1,5 1,2 600 7,0 Inelastic	
Aramid Tape s2125	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	48 ± 2 2,0 6000 50,0 Inelastic	
Aramid Tape s850	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	14 +2 / -1,5 1,2 600 7,0 Inelastic	













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Aramid Tape s736	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	25 ± 2 1,8 1600 18,0 Inelastic	
Aramid Tape s225	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	48 ± 2 2,5 6000 50,0 Inelastic	
Aramid Tape s1723	Width (mm): Thickness (mm): Breaking load (kgf): Linear Density (g / m): Type of:	14 +2 / -1,5 1,0 450 5,2 Inelastic	











