



SILICA FABRICS



Contents SiO₂ 94-96% and Contents SiO₂ >98%

We offer a wide range of silica fabrics with the weight from 120 to 1400 g/sq.m. with the width up to 2 m with different types of finish improving their properties. One of the considerable sectors of silica fabric application — production of welding blankets, fire protective blankets, screens and curtains, casing as a thermal barrier for protection of the equipment, high temperature insulation of furnaces, turbines, screens for protection from molten metal splashes, sparks, thermal insulation.

APPLICATION



Constructions made of gabions fastened together are used to reinforce slopes, soils, banks, cliffs



Gabions are used in transport construction on embankment slopes, as well as in the construction of artificial constructions - bridges and tunnels



Gabions are often used to construct fences, decorative walls, swimming pools or ponds



Used in landscape design: they are used for making flower beds, gazebos, outdoor furniture, barbecues and other decorative and functional

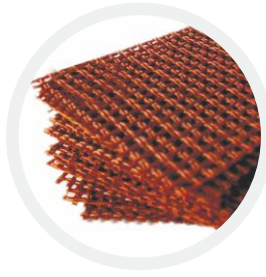
SILICA FABRICS (SiO₂ CONTENTS IS NOT LESS THAN 94%)

Fabric type	Weave type	Yarn count per cm, pieces		Mass – area ratio, g/m ²	Tensile strength, N, not less than		Mass fraction of Na ₂ O, %, not more than	Loss on ignition, %	Width, cm
		warp	weft		warp	weft			
KT-120	plain	16±1	13±1	120±20	392	392	1,0	7-12	(88,95,100)±2
KT-180	plain	10±1	10±1	180±20	539	539	1,0	7-12	(88,95,100)±2
KT-11-30K	plain	9±1	8±1	300±30	780	740	0,8	7-12	(62-210)±3
KT-11-TO-30K	plain	9±1	8±1	300±30	300	300	0,7	not more than 1,0	(62-210)±3
KT-300-C	satin 8/3	20±1	14±1	300±30	690	540	0,7	7-12	(62-210)±2
KT-300-C-V	satin 8/3	20±1	14±1	300±30	690	540	0,7	7-12	(62-210)±2
KT-300-C-CV	satin 8/3	20±1	14±1	300±30	690	540	0,7	7-14	(62-210)±2
KT-300-C-TO	satin 8/3	20±1	14±1	325±25	490	340	0,7	not more than 1,0	(62-210)±2,5
KT-600-C	satin 8/3	19±1	13±1	600±60	1370	1080	0,7	7-12	(62-210)±2
KT-600-C-V	satin 8/3	19±1	13±1	600±50	1370	1080	0,7	7-12	(62-210)±2
KT-600-C-CV	satin 8/3	19±1	13±1	600±50	1370	1080	0,7	7-14	(62-210)±2
KT-600-C-O	satin 8/3	19±1	13±1	650±60	980	690	0,7	5-12	(62-210)±2
KT-600-C-TO	satin 8/3	19±1	13±1	550±100	980	690	0,7	not more than	(62-210)±2,5
KT-1000-C	satin12/7	17±1	13±1	1100±100	1960	1470	0,7	7-12	(62-210)±2
KT-1000-C-V	satin12/7	17±1	13±1	1100±100	1960	1470	0,7	7-12	(62-210)±2
KT-1000-C-CV	satin12/7	17±1	13±1	1100±100	1960	1470	0,7	7-14	(62-210)±2
KT-1000-C-O	satin12/7	17±1	13±1	1100±100	1960	1470	0,7	5-12	(62-210)±2
KT-1000-C-TO	satin12/7	17±1	13±1	1100±100	1470	980	0,7	not more than 4,0	(62-210)±2,5



SILICA FABRICS (SiO₂ CONTENTS NOT LESS THAN 98%)

Fabric type	Weave type	Yarn count per cm, pieces		Mass – area ratio, g/m ²	Tensile strength, N, not less than		Mass fraction of Na ₂ O, %, not more than	Loss on ignition, %	Width, cm
		warp	weft		warp	weft			
PS-120	plain	16±1	13±1	120±25	392	392	0,8	7-12	(88,95,100)±2
PS-180	plain	10±1	10±1	180±30	490	392	0,8	7-12	(88,95,100)±2
PS-300	plain	9±1	8±1	300±30	590	540	0,8	7-12	(62-210)±3
PS-300-TO	plain	9±1	8±1	300+40-30	300	250	0,7	not more than 4,0	(62-210)±3
PS-300-S	satin 8/3	20±1	14±1	325±25	690	550	0,7	7-12	(62-210)±3
PS-600-S	satin 8/3	19±1	13±1	580±40	1100	800	0,7	7-12	(62-210)±2
PS-600-S-V	satin 8/3	19±1	13±1	600±50	1100	800	0,7	7-12	(62-210)±2
PS-600-S-CV	satin 8/3	19±1	13±1	600±50	1100	800	0,7	7-14	(62-210)±2
PS-600-S-TO	satin 8/3	17±1	13±1	580±60	500	300	0,7	not more than 2,0	(62-210)±2,5
PS-600-S-O	satin 8/3	17±1	13±1	580±60	500	300	0,7	5-12	(62-210)±2
PS-1000-S	satin12/7	17±1	13±1	1100±100	1800	1400	0,7	7-12	(62-210)±2
PS-1000-S-V	satin12/7	17±1	13±1	1100±100	1800	1400	0,7	7-12	(62-210)±2
PS-1000-S-CV	satin12/7	17±1	13±1	1100±100	1800	1400	0,7	7-14	(62-210)±2
PS-1000-S-TO	satin12/7	17±1	13±1	1100±100	790	490	0,7	not more than 4,0	(62-210)±2,5
PS-1000-S-O	satin12/7	17±1	13±1	1100±100	790	490	0,7	5-12	(62-210)±2



SILICA MESHES

They are used as an effective filtering material for cleaning of ferrous and non-ferrous metal melts while their pouring into moulds. Usage of filters from silica mesh allows to reduce moulding defects 1,5-2 times, improve metal structure, increase its physical-mechanical and technological properties.

Mesh type	Weave type	Quantity of yarn groups per 10 cm		Mass – area ratio, g/m ²	Tensile strength, N (kgf), not less than		Loss on ignition, %, not more	Mass fraction of Na ₂ O, %, not more than	Width, cm
		warp	weft		warp	weft			
KS-11-LA	mock leno	32±1	27±1	530±60	1470(150)	980(100)	-	1	(82, 84, 85, 88, 100)±3
KS-11-LA-A	mock leno	32±1	27±1	610±50	1470(150)	980(100)	-	1	(82, 84, 85, 88, 100)±3
KS-11-LA-2	mock leno	26±1	22±1	470±60	1470(150)	980(100)	-	1	(82, 84, 85, 88, 100)±3
KS-11-LA-2-A	mock leno	26±1	22±1	490±60	1564(160)	1078(110)	-	1	(82, 84, 85, 88, 100)±3
KS-11-LA-1,0-TO	mock leno	34+1-0	30+2-0	540±60	490(50)	392(40)	0,7	1	(82, 84, 85, 88, 100)±3
KS-11-LA-1,5-TO	mock leno	27+1-0	25+2-0	620±60	490(50)	392(40)	0,7	1	(82, 84, 85, 88, 100)±3
KS-11-LA-2,0-TO	mock leno	25+1-0	23+2-0	560±60	490(50)	392(40)	0,7	1	(82, 84, 85, 88, 100)±3



SILICA YARNS

Contents SiO₂ 94-96%. Silica yarns are a superb raw material for weaving of tapes, fabrics, making of insulation braiding, sleeves, tubings, paddings, cords.

Mesh type	Weave type	Yarn count per cm, pieces		Mass – area ratio, g/m ²	Tensile strength, N (kgf), not less than		Mass fraction of Na ₂ O, %, not more than	Loss on ignition, %	Width, cm
		warp	weft		warp	weft			
PS-1400T	basket	12+1	6±1	1400±140	740	340	0,8	7-12	(62-210)+3-2
PS-1400T-V	basket	12+1	6±1	1400±140	740	340	0,8	7-12	(62-210)+3-2
PS-1400T-CV	basket	12+1	6±1	1400±140	740	340	0,8	7-14	(62-210)+3-2
PS-1400T-TO	basket	12+1	6±1	1400±140	450	220	0,8	not more than 4,5	(62-210)+3-2
PS-1400T-TO-V	basket	12+1	6±1	1400±140	450	280	0,8	not more than 6,5	(62-210)+3-2



SILICA FIBER

Fiber length 50-100 mm, diameter 6, 9 mkm. The main field of application — production of needle felt, having a wide application in car building, metallurgy, atomic and thermal power stations, insulation in electric and combustion furnaces.



CHOPPED SILICA FIBER

PS-23(R) length 4,5-20mm, diameter 6, 9 mkm. As reinforcing material in different friction articles with temperature resistance up to 12000C.