

Technical Specifications Silica Materials

• SILICA FABRIC

Type	Weave	Density, yarns/cm Warp	Density, yarns/cm weft	Surface density, g/m ²	Thickness, mm	Ptensile strength N(kgf) warp, not less than	Tensile strength N(kgf) weft, not less than	L.O.I., % not more than
KT-11	Plain	9±1	8±1	300±30	0.33±0,05	784(80)	735(75)	7-12
KT-11-TO	Plain	9	8	290	0.44	294(30)	294(30)	1.0
PS-120	Plain	16	13	120		343(35)	343(35)	-
PS-180	Plain	10	10	180		539(35)	539(35)	-
PS-300	Satin	20±1	14±1	325±25		686(70)	539(55)	7-12
PS-400	Twill 2/2	12	10	400	0,40	1176 (120)	980 (100)	-
PS-600	8/3 satin	19	13	600	0.6	1372(140)	1372(140)	-
PS-600-TO	8/3 satin	20	13	600	0.6	980(100)	686(70)	1.0
PS-600-V	8/3 satin	19	13	650	0.6	1764(180)	1078(110)	-
PS-1000	12/5 satin	17±1	13±1	1100±100	1.00	1764(180)	1372(140)	7-12
PS-1000-TO	12/5 satin	18	13	1100	1.10	1470(150)	980(100)	1.0
PS-1000-V	12/5 satin	17	13	1200	1.10	1960(200)	1470(150)	
PS-1400-T	plain	12	6	1400	2.00	735(75)	343(35)	
PS-1400-TO-V	plain	12	6	1400	2.00	735(75)	343(35)	

• SILICA FIBRE

Name	Fibre length, мм	Fibre length, мкм	Moisture not more
PS-23	50-150	9 or 6	3,5
PS23 (R)	5-20	9	3,5

• SILICA YARN SiO₂-94-96%

Name	Nominal linear density, tex	Tolerances, tex	Number of twists per m	Tolerances	Tensile strength, N(kgf), not less than
K11C6-68	68	±7.7%	150, 200	±10%	14.7(1.5)
K11C6-90	90	±7.7%	150	±10%	19.6(2.0)
K11C6-136	136	±7.7%	80, 130	±15%	29.4(3.0)
K11C6-180	180	±7.7%	120-150	±10%	39(4.0)
K11C6-180x3	540	±7.7%	20, 100	±10%	98.0(10)
K11C6-170BA	170	±11.8%	130, 150	±10%	39.2 (4.0)
K11C6-170BAx2	340	±11.8%	20, 100	±20%	68.6(7.0)
K11C6-170BAx3	510	±11.8%	20, 100	±20%	98.0(10)

• SILICA YARN SiO₂ -98%

Name	Nominal linear density, tex	Tolerances, tex	Number of twists per m	Tolerances	Tensile strength, N(kgf), not less than
PS9-136	136	±7.7%	80, 130	±15%	24.5 (2.5)
PS9-180	180	±7.7%	120, 150	±10%	29.4 (3.0)
PS9-180x3	540	±7.7%	20, 100	±10%	88.2 (9)

- SILICA MESHES**

Name	Weave	Density of yarns/cm, warp	Density of yarns/cm, weft	Surface density g/cm ² .	Tensile strength N(kgf), warp	Tensile strength N(kgf), weft.	Width, cm
KS-11-LA-2	Mock leno	96±3 per 10 cm	81±3 per 10 cm	530±60	1470(150)	980(100)	88±3
KS-11-LA 1.0-TO 1.5-TO 2.0-TO	Mock leno	per 10 cm 108 102 78	per 10 cm 99 87 72	510-550			80±3

- SEWING YARN SiO₂-94-96%**

Name	Nominal linear density, tex	Tolerances, tex	Number of twists per m	Tolerances	Tensile strength, kgf, not less than
K11C6-170BA S250	170	±15%	150	±10%	8,0

- 'V' means the fabric has vermiculite coating
- 'PS' it is the name of these silica fabrics (does not indicate pre shrunk)
- 'TO' indicates pre shrunk