



## TECHNICAL DATASHEET

### SILICA FABRICS plain weave

<b>Description</b>	Are made by leaching process, produced in non-heat-treated (unshrunk) and heat-treated (shrunk) forms.						
<b>Properties</b>	Fabrics have good heat-insulating, heat-shielding and dielectric properties at high temperatures. The coefficient of thermal conductivity of fabrics at 1000°C is 0.22 W/m·K, the electrical resistivity is $10^{17-18}$ Ohm·cm at 20 ° C, and the dielectric capacitivity is 3.7. They are resistant to high-pressure steam, acid solutions (except HF and H <sub>3</sub> PO <sub>4</sub> ), weak alkalis, molten metals (except Na, K, Si) and alloys, low temperatures and vacuum. Such properties of fabrics are due to the presence in their composition of two oxides with a high melting point SiO <sub>2</sub> ≥ 95% and Al <sub>2</sub> O <sub>3</sub> ≥ 3.5%.						
<b>Physical and mechanical properties (nominal value)</b>							
<b>Name of indicators</b>	Unit of measure	KT-11-13	KT-11-TO	KT-11- Э/0,2-13	KT-11-Э- 230-TO	KT-Э-105	KT-Э-115- TO
<b>Width (according to GOST 6943.17-94)</b>	mm	880	820	880	830	900	850
<b>Thickness (according to GOST 6943.18-94)</b>	mm	0.32	0.41	0.20	0.23	0.105	0.115
<b>Weight of 1m<sup>2</sup> (according to GOST 6943.16-94)</b>	g	300	290	180	180	95	95
<b>Linear shrinkage (1000°C)</b>	%	7.0	Up to 1.5	7.0	Up to 1.5	7.0	Up to 1.5
<b>NTD</b>	-	TY 13.20.46-240-2018		TY 5952-202-05786904-2012			
<b>Packing and storage</b>							
<b>Roll length</b>	From 50 to 100 m.						
<b>Packing</b>	Rolls of fabric are packed in paper and polyethylene film, tied with twine or polymer tape with an adhesive layer.						
<b>Shipment</b>	Is carried out on pallets or by separate rolls.						
<b>Transportation</b>	Horizontally by any means of transportation in covered vehicles.						
<b>Storage conditions</b>	In packed form in closed dry storage facilities on racks or pallets with a relative humidity of not more than 80%.						
<b>Warranty period</b>	KT-11-13, KT-11-Э/0,2-13, KT-Э-105 – eight years, KT-11-TO – three years, KT-11-Э-230-TO, KT-Э-115-TO – one year from the date of manufacture.						
<b>Application Safety Requirements</b>	According to TY.						
<b>Fire safety</b>	Relate to the group of NC (non-combustible). Fabrics KT-11-13 and KT-11-TO have a fire safety certificate.						