



TECHNICAL DATASHEET

SILICA FABRICS plain weave

Description	Are made by leaching process, produced in non-heat-treated (unshrunk) and heat-treated (shrunk) forms.						
Properties	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 capacity is 3.7. They are resistant to high-pressure steam, acid solutions (except HF and H ₃ PO ₄), 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 ₂ ≥ 95% and Al ₂ O ₃ ≥ 3.5%.						
Physical and mechanical properties (nominal value)							
Name of indicators	Unit of measure	KT-11-13	KT-11-TO	KT-11-Э/0,2-13	KT-11-Э-230-13-TO	KT-Э-105	KT-Э-115-TO
Width (according to GOST 6943.17-94)	mm	880	820	880	830	900	850
Thickness (according to GOST 6943.18-94)	mm	0.32	0.41	0.20	0.23	0.105	0.115
Weight of 1m² (according to GOST 6943.16-94)	g	300	290	180	180	95	95
Linear shrinkage (1000°C)	%	7.0	Up to 1.5	7.0	Up to 1.5	7.0	Up to 1.5
NTD	-	TY 13.20.46-240-18087444-2018		TY 5952-202-05786904-2012			
Packing and storage							
Roll length	From 50 to 100 m.						
Packing	Rolls of fabric are packed in paper and polyethylene film, tied with twine or polymer tape with an adhesive layer.						
Shipment	Is carried out on pallets or by separate rolls.						
Transportation	Horizontally by any means of transportation in covered vehicles.						
Storage conditions	In packed form in closed dry storage facilities on racks or pallets with a relative humidity of not more than 80%.						
Warranty period	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.						
Application Safety Requirements	According to TY.						
Fire safety	Relate to the group of NC (non-combustible). Fabrics KT-11-13 and KT-11-TO have a fire safety certificate.						

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