



TECHNICAL DATASHEET

SILICA FABRICS satin (satin 8/3) weave

Description	Silica fabrics are produced by leaching glass fabrics and may be heat-treated (pre-shrunk) additionally.				
General Properties	Silica fabrics are heat resistant to temperature up to 1000°C and have excellent dielectric properties at that temperature range. Fabrics thermal conductivity is 0.22 W/m•K at 1000°C, the electrical resistivity is – 10 ¹⁷⁻¹⁸ Ohm•cm at 20° C, and the dielectric constant is 3.7. They are resistant to high-pressure steam, acid solutions (except HF and H3PO4), weak alkalis, molten metals (except Na, K, Si) and alloys, low temperatures and vacuum.				
Physical and mechanical properties (nominal value)					
Property	Unit of measure	KT-11-C8/3(130)	KT-11-C8/3-TO (120)	KT-11-C8/3	KT-11-C8/3-TO
Width	mm	1300	1200	940	880
Thickness	mm	0.53	0.63	0.53	0.63
Weight	g/m ²	610	610	610	610
Thermal shrink at 1000°C	%	7	Less than 1.5	7	Less than 1.5
Packaging and storage					
Roll length	50 or 100 m.				
Packaging	Rolls of fabric wrapped in craft paper and PE film, then reinforced over by twine or adhesive tape.				
Shipment	Rolls piled on pallets or rolls separately.				
Transportation	Horizontally in covered vehicles.				
Storage conditions	Packed, in dry place on racks or pallets with a relative humidity of not more than 80%.				
Warranty	Eight years from production date for leached only fabrics KT-11-C8/3(130) and KT-11-C8/3. Three years from production date for heat treated (pre-shrunk) fabrics KT-11-C8/3-TO(120) and KT-11-C8/3-TO.				
Health safety requirements	As per SDS.				
Fire safety	Non-combustible.				
Additional	Package might be changed up to the customer request.				