



## TECHNICAL DATASHEET

### SILICA FABRICS satin (satin 12/7) weave

<b>Description</b>	Silica fabrics are produced by leaching glass fabrics and may be heat-treated (pre-shrunk) additionally.		
<b>General Properties</b>	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.		
<b>Physical and mechanical properties</b>			
<b>Property</b>	<b>Unit of measure</b>	<b>KT-11-C12/7</b>	<b>KT-11-C12/7-TO</b>
<b>Width</b>	mm	980	920
<b>Thickness</b>	mm	0.90	1.05
<b>Weight</b>	g/m <sup>2</sup>	1100	1100
<b>Thermal shrink at 1000°C</b>	%	7	Less than 1.5
<b>Packaging and storage</b>			
<b>Roll length</b>	30 or 60 m.		
<b>Packaging</b>	Rolls of fabric wrapped in craft paper and PE film, then reinforced over by twine or adhesive tape.		
<b>Shipment</b>	Rolls piled on pallets or rolls separately.		
<b>Transportation</b>	Horizontally in covered vehicles.		
<b>Storage conditions</b>	Packed, in dry place on racks or pallets with a relative humidity of not more than 80%.		
<b>Warranty</b>	Eight years from production date for leached only fabrics KT-11-C12/7. Three years from production date for heat treated (pre-shrunk) fabrics KT-11-C12/7-TO.		
<b>Health safety requirements</b>	As per SDS		
<b>Fire safety</b>	Non-combustible		
<b>Additional</b>	Package might be changed up to the customer request		

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