



TECHNICAL DATASHEET

SILICA FABRICS satin (satin 12/7) 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 | | | |
| Property | Unit of measure | KT-11-C12/7 | KT-11-C12/7-TO |
| Width | mm | 980 | 920 |
| Thickness | mm | 0.90 | 1.05 |
| Weight | g/m ² | 1100 | 1100 |
| Thermal shrink at 1000°C | % | 7 | Less than 1.5 |
| Packaging and storage | | | |
| Roll length | 30 or 60 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-C12/7. Three years from production date for heat treated (pre-shrunk) fabrics KT-11-C12/7-TO. | | |
| Health safety requirements | As per SDS | | |
| Fire safety | Non-combustible | | |
| Additional | Package might be changed up to the customer request | | |