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Test Report

No. 17.018

Münchberg, 14/09/2023_28/08/2024 / SG

Customer No.	Customer:	Date of order:	Date of receipt:
10302	Friedhelm Schwender	31/08/2023	04/09/2023

Order: Determination of electrical resistance DIN 54345-1
Material: Sample 1: 3 DIN A4-specimens VLITEX fire protection blanket PREMIUM;
Sample 2: 0,38 running meter VLITEX fire protection blanket SUPERIOR;
Sample 3: 34 cm x 78 cm E glass with stainless steel filament reinforcement
Sampling: Taken by the customer including sample designation
Test date/period: 05/ - 13/09/2023

Electrostatic behavior: determination of electrical resistance according to DIN 54 345 Teil 1; Feb. 1992

Conditioning: The test specimens were conditioned in a desiccator at 25 ± 2 % relative humidity and a temperature of 23 ± 1 °C.
The resistances were measured one minute after removing the specimens from the desiccator.

Measuring voltage 100 V
Number of measurements: 5 each

Results:

Article: Sample 1 VLITEX fire protection blanket PREMIUM	<u>Surface resistance in Ω</u>	<u>Volume resistance in Ω</u>
	$8,0 \times 10^{11}$	$4,3 \times 10^{11}$
	$7,8 \times 10^{11}$	$4,4 \times 10^{11}$
	$7,9 \times 10^{11}$	$4,1 \times 10^{11}$
	$7,0 \times 10^{11}$	$4,0 \times 10^{11}$
	$7,6 \times 10^{11}$	$3,7 \times 10^{11}$
Geometric mean value:	$7,7 \times 10^{11}$	$4,1 \times 10^{11}$

Article: Sample 2 VLITEX fire protection blanket SUPERIOR	<u>Surface resistance in Ω</u>	<u>Volume resistance in Ω</u>
	6,3 x 10 ¹¹	2,9 x 10 ¹¹
	3,7 x 10 ¹¹	1,4 x 10 ¹¹
	2,2 x 10 ¹¹	1,4 x 10 ¹¹
	3,6 x 10 ¹¹	1,1 x 10 ¹¹
	2,0 x 10 ¹¹	0,6 x 10 ¹¹
Geometric mean value:	3,3 x 10 ¹¹	1,3 x 10 ¹¹

Article: Sample 3 E glass with stainless steel filament reinforcement	<u>Surface resistance in Ω</u>	<u>Volume resistance in Ω</u>
	< 1,0 x 10 ⁶	< 1,0 x 10 ⁶

Note: The values for the surface and volume resistance of sample 3 at 100 V are below the readable measuring range of the device which is 1,0 x 10⁶ Ω .

Only the German version of this test report guarantees the original terms.

Testing staff

Director of the Testing Office

(Drechsel-Kaintzyk)

i. V. Schödel-Guthke (Dipl.-Ing. (FH))