

# Fraunhofer

# TESTED® DEVICE

F.-W. Dauphin GmbH & Co. IS20760 166481 0426

**Report No. DA 1511-791** 

Statement of Qualification

Electrostatic Resistance





## **Statement of Qualification**

Customer Bürositzmöbelfabrik

Friedrich-W. Dauphin GmbH & Co.

Espanstrasse 29 91238 Offenhausen

Germany

**Component tested** 

Working Place and Operator Category:

Subcategory: Chairs

Product name: Work chair IS20760 166481 0426

(manufacturing date: 11/2015; upholstery: 0426/Imitation leather, black,

conductive; article number: 166481)

### Electrostatic discharge measurements at representative points (surface resistivity, volume resistivity, discharge resistance)

Standards/Guidelines:

Test devices:

DIN EN 61340-5-1; DIN EN 61340-4-1

The stated norms are generally those that were applicable at the time the tests were conducted.

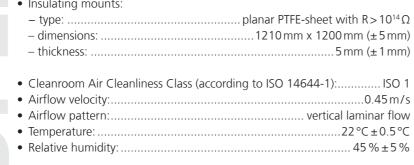
•	Data capture:	Tera-Ohm-Meter, type 6206,
		Eltex GmbH
•	Measuring probes (2 pieces):	ETS Model 850 (2.5 kg),

Electro-Tech Systems Inc.

Counter electrode:	
– type:	stainless steel plate
– dimensions:	1000 mm x 500 mm (±2 mm)
– thickness:	1.2±0.1 mm

Insulating mounts:	
– type:	planar PTFE-sheet with $R > 10^{14} \Omega$
– dimensions:	1210 mm x 1200 mm (±5 mm)
thickness:	E mm / , 1 mm

Test environment parameters:





### Test result/Classification

The work chair IS20760 166481 0426 fulfills the ESD requirements for EPAs (ESD-protected areas) of surface resistivity, volume resistivity and discharge resistance according to DIN EN 61340-5-1 and DIN EN 61340-4-1.

Test parameter	Operating voltage [V]	Resistance $[\Omega]$	Rating
Surface resistivity	10	1.7E + 05	electrostatically discharging
Volume resistivity	10	3.1E + 09	electrostatically discharging
Discharge resistance	10	2.1 E + 06	electrostatically discharging

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany

Stuttgart, December 18, 2015

Place, date of first document issued

This document only applies to the named product in an unchanged state and is valid from the date of issue for a period of 5 years. The document can be verified under www.tested-device.com.