

Fraunhofer

TESTED® DEVICE

item Industrietechnik Castor D75 swivel Report No. IT 2207-1335

Single product **Outgassing Behavior** VOC/SVOC

Qualification Certificate

This is to certify that the product mentioned above, provided by

item Industrietechnik GmbH Solingen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IT 2207-1335.

The outgassing behavior of the Castor D75 swivel with double-brake ESD (color: grey) at the stated temperatures was investigated according to ISO 14644-15. Based on the outgassing rates determined for the specific equipment, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER_u¹) 23°C [g/unit·s]	ISO ACC _e Class (x) based on 23° C
VOC	6.0 x 10 ⁻¹⁰	-9.2
SVOC	6.4 x 10 ⁻¹²	-11.2
Amines	< 2.8 x 10 ⁻¹³	
Organophosphates	< 2.8 x 10 ⁻¹³	
Siloxanes	< 2.8 x 10 ⁻¹³	
Phthalates	< 2.8 x 10 ⁻¹³	

¹⁾SER: Unit-specific emission rate

IT 2207-1335

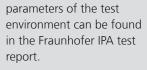
Stuttgart, January 25, 2023

Report No. first document

Place, date of first document issued

Place, current date

Report No. current document



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Detailed information and

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued.

The document can be verified under

