

Test report ID 23454

Customer	Cristian Guasch, CEO MEREFS A S.L.U. CASTELLÓ 9, 08830 - SANT BOI DE LLOBREGAT, SPAIN
Assignment	Measurlabs provided electrical testing according to ASTM D991 as requested by the customer.
Sample(s)	Sampling was performed by the customer.

Measurlabs sample ID	Sample name	Details	Performed measurements
ID 23454-1	SilESD™ U	Sample material: Highly Conductive Grade Silicone Rubber	<ul style="list-style-type: none">Volume Resistivity for Conductive & Antistatic Products (ASTM D991)

Samples received 02/12/2025 (dd/mm/yyyy)

Results The results presented on the next page(s) relate to the tested sample(s) only.

On Monday, 12 January 2026, issued by



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Test results - VOLUME RESISTIVITY TEST. ASTM D991

Methods

ASTM D991 "Standard Test Method for Rubber Property—Volume Resistivity Of Electrically Conductive and Antistatic Products".

Conditioning - The samples were conditioned for 40 hours at 23°C and 50% RH. The tests were conducted at conditions of 23°C and 53% RH.

Test Procedure: The samples were placed into the test apparatus specified in ASTM D991. The applied voltage and the resultant current was measured via a reference resistor. Testing was performed by an ISO/IEC 17025 accredited external service provider.

Additional information

The results reported are a median of 3 readings.

Results

Table 1. Results of the volume resistivity testing.

Sample Name	Thickness [mm]	Width [mm]	Voltage [V, DC]	Current [A]	Resistivity [Ω * cm]
SilESD™ U	2.3	100	1.58	$1.54 \cdot 10^{-2}$	$3.74 \cdot 10^{-1}$

End of the test report