
Permeation Measurements Test Certificate

July 29, 2026

Customer

EGO Dichtwerkstoffe GmbH & Co. Betriebs KG
Kaltenbrunn 27
82467 Garmisch-Partenkirchen
Germany

Test Information

Samples:	EGOTAPE 2000 ALUDICHTBAND Butyl tape with aluminum foil
Project Number:	Mecadi 2416/2026
Sample Preparation:	Cut to fit the permeation test cell, masked
Test Method:	H ₂ permeation according to DIN EN ISO 15105
Evaluation:	Manual evaluation, taking the applicable standards into account

Test Conditions

Test Temperature:	100 °C
Relative Humidity:	< 5 % RH
Test Pressure:	7.7–10.2 bar (absolute)
Test Gas:	H ₂ (Hydrogen)

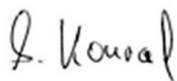
Test Results

Customer Sample ID:	EGOTAPE 2000 ALUDICHTBAND Butyl tape with aluminum foil
Mecadi Sample ID:	2416-260526-001 2416-260528-001 2416-260528-002
Test Temperature:	100 °C
H ₂ Permeation Rate:	$P(\text{H}_2) < 1 \text{ cm}^3(\text{STP}) \text{ m}^{-2} \text{ day}^{-1} \text{ bar}^{-1}$
STP:	standard temperature and pressure (273.15 K and 1.013 bar)

The permeation rate reported below was determined for the submitted test specimens based on triplicate measurements performed at the specified test temperature.

Parameter	Unit	Result
H ₂ Permeation Rate	cm ³ (STP) m ⁻² day ⁻¹ bar ⁻¹	< 1

The reported value represents the detection limit of the applied measurement method.
No measurable permeation through the submitted specimens was observed under the specified test conditions.



Dr. Andreas Konrad
PHD Chemist



Dr. Francesco Arena
PHD Chemist

Remarks

- The reported test results apply exclusively to the specimens submitted by the customer.
- This test certificate may only be reproduced in full and unaltered. Partial reproduction requires the written approval of Mecadi GmbH.
- The measurements were performed according to the specified test conditions.
- The uncertainty of measurement has not been included in the reported results.