Accreditation n° 1-2319

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TEST REPORT

Report number: 2026/R144

Our reference: OB6369 - OB6370 - OC1445

Report date: June 4th, 2026

Tests identification: Autogenous ignition tests with gaseous oxygen before and after ageing and Mechanical impact tests in liquid oxygen according to EN 1797 standard

Tested sample identification: Klinger®top-chem 2000

Customer: Rich. Klinger Dichtungstechnik GmbH / Sabine Eberhardt

Test report carried out by:	Test report reviewed by:	Test report authorized by:
Ludovic Antoine Test Technician	Olivier Longuet Technical Manager	Valérie Nille CTE manager

ORIGINAUX SIGNES

Diffusion list: eberhardt@klinger.co.at

This report shall not be reproduced except in its entirety. The test results pertain solely to the samples as received. COFRAC accreditation certifies the technical competence of laboratories solely for the specific tests within the scope of accreditation.

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SUMMARY

At the request of Rich. Klinger Dichtungstechnik GmbH, Air Liquide Lab carried out four tests on the sealing material **KLINGER®top-chem 2000**:

1) Autogenous Ignition Test before ageing
2) Ageing under pressurized oxygen
3) Autogenous Ignition Test after ageing
4) Mechanical Impact Test in liquid oxygen
According to EN 1797 standard on a sealing material “KLINGER®top-chem 2000.

Test Results

» Autogenous ignition temperature before ageing: 475.2 °C
» No significant mass loss and no discoloration after ageing
» Autogenous ignition temperature after ageing: 471.4 °C
» The impact test result is: material compatible with liquid O_2
» On 20 drops, no reactions were observed

NOTA BENE: This summary concerns only the samples submitted for testing and is based on Air Liquide Test Report No. 2026/R144.