



Centre de Technologie et d'Expertises

180 Avenue Charles Floquet
93155 LE BLANC MESNIL CEDEX (France)

☎ 33 (0) 1.48.14.71.00

☎ 33 (0) 1.48.14.71.34

TEST REPORT N° 2017/R330

TEST ORDER: OB5935 – OB5936 – OC1053

DESCRIPTION OF TESTS:

**Autogenous Ignition test with Oxygen according to EN 1797
standard before and after ageing test and Mechanical Impact test in
liquid oxygen according to EN 1797 standard
on a sealing material “Klinger® top-chem 2000”**

Applicant: Rich Klinger Dichtungstechnik GmbH & Co KG
Am Kanal 8-10 A-2352 Gumpoldskirchen
Austria

The Head of Center
Olivier Beuneken

ORIGINAUX SIGNES

Technical Manager: Olivier Longuet

Technician: Dinesh Nadaradjane

Distribution: Rich Klinger Dichtungstechnik GmbH & Co KG / Ms. Sabine Eberhardt
(eberhardt@Klinger.co.at)

Emission date: December, 18th 2017

This report includes 12 pages



ACCREDITATION n° 1-2319
PORTEE DISPONIBLE SUR
WWW.COFRAC.FR

*Accreditation by the COFRAC certifies competency of the
laboratories for only tests covered by accreditation*

This report may not be reproduced other than in full

SUMMARY

At the request of Rich Klinger Dichtungstechnik GmbH & Co KG company, we carried out four tests:

- 1) Autogenous Ignition test before ageing
- 2) Ageing with 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".

Tests Results:

- Autogenous ignition temperature before ageing: **466.4 °C ± 2 °C**
- No loss of weight and no discoloration after ageing (*)
- Autogenous ignition temperature after ageing: **468.8 °C ± 2 °C**
- The Impact test result is: **material compatible with liquid O2**.
On 20 drops, no reactions.

(*) Not cofrac

NOTA BENE: This report concerns only the samples that have been submitted to test.