

Cancels and replaces the previous report n°2024/R229 of November 20th, 2024

TEST REPORT N° 2024/R229a1**TEST ORDER: OB6240 - OD0180 - OB6241 - OC1349****DESCRIPTION OF TESTS:**

**Autogenous ignition test with Oxygen according to NF EN 1797
standard before and after ageing test and
mechanical impact test in liquid oxygen according to NF EN 1797
standard on a sealing material “Klinger® top-chem 2003”**

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This report includes 16 pages

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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 NF EN 1797 standard on a sealing material "Klinger® top-chem 2003".

TESTS RESULT:

- Autogenous ignition temperature before ageing: **463.5 °C ± 2 °C**
- No loss of weight and no discoloration after ageing (*)
- Autogenous ignition temperature after ageing: **467.8 °C ± 2 °C**
- The Impact test result is: **material compatible with liquid O2**.
On 20 drops, no reaction at 100 Joules

(*) not cofrac

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