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TEST REPORT N° 2025/R076

TEST ORDER: OB6269 - OB6270 - OC1378

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 2005"

Applicant: Rich Klinger Dichtungstechnik GmbH & Co KG
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Emission date: April 7th, 2025

This report includes 16 pages

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SUMMARY

At the request of Rich Klinger® Dichtungstechnik GmbH & Co KG, 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 2005".

TESTS RESULT:

- Autogenous ignition temperature before ageing: **471.2 °C ± 2 °C**
- No loss of weight and no discoloration after ageing **(*)**
- Autogenous ignition temperature after ageing: **469.6 °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.