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”

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This report includes 12 pages
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: \(466.4 \, ^\circ\text{C} \pm 2 \, ^\circ\text{C}\)
- No loss of weight and no discoloration after ageing (*)
- Autogenous ignition temperature after ageing: \(468.8 \, ^\circ\text{C} \pm 2 \, ^\circ\text{C}\)
- 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.