

**BAM**Bundesanstalt für
Materialforschung
und -prüfung

Report

on Testing a Gasket Material for Reactivity with Oxygen

Reference Number II-1069/2009 E

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Customer TEMAC a.s.
Nymburská 53
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TSCHECHISCHE REPUBLIK

Order Date April 28, 2009

Test Samples Gasket material Temasil NG for use in flanged connections in gaseous oxygen piping, in valves and fittings or other components for gaseous oxygen service up to 60 °C.
BAM-Order No. II.1/49 657

Receipt of Samples May 5, 2009

Test Date August 11, 2009

Test Location BAM Working Group "Safe Handling of Oxygen", building no. 41, room no. 073 and no. 120

Test Procedure According to DIN EN 1797: 2002-02
„Cryogenic Vessels - Gas/Material Compatibility“
ISO 21010: 2004-04
„Cryogenic Vessels - Gas/Material Compatibility“
Annex of pamphlet M 034-1 (BGI 617-1)
„Liste der nichtmetallischen Materialien die von der Bundesanstalt für Materialforschung und -prüfung (BAM) zum Einsatz in Anlageteilen für Sauerstoff als geeignet befunden worden sind.“,
to pamphlet M 034 „Sauerstoff“ (BGI 617)
Berufsgenossenschaft der chemischen Industrie
Edition: October 2008;
according chapter 3.17 „Gleitmittel und Dichtwerkstoffe“
to rule BGR 500 „Betreiben von Arbeitsmitteln“ part 2,
chapter 2.32 „Betreiben von Sauerstoffanlagen“,
Edition: September 2008.

All pressures of this report are excess pressures.
This test report consists of page 1 to 3 and annex 1.

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In case a German version of the test report is available, exclusively the German version is binding.

TEST REPORT