

**BAM**Bundesanstalt für
Materialforschung
und -prüfung

Report

on Re-Check of a Gasket Material for Reactivity with Oxygen

Reference Number 2-2543/2011 E

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Customer Guarniflon SpA
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Italien

Order Date October 11, 2011

Receipt of Order October 18, 2011

Test Samples Gasket material SC 1400 for use in flanged connections
in piping, valves and fittings or other components for
gaseous oxygen service up to 25 bar and temperatures
up to 200 °C.
BAM-Order No. 2.1/50 799

Receipt of Sample October 17, 2011

Test Date January 17, 2012 to March 22, 2012

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

Test Procedure or Requirement According to DIN EN 1797: 2002-02
„Cryogenic Vessels - Gas/Material Compatibility“
ISO 21010: 2004-07
„Cryogenic Vessels - Gas/Material Compatibility“
Annex of pamphlet M 034-1 (BGI 617-1)
"List of nonmetallic materials compatible with oxygen by BAM
Federal Institute for Material Research and Testing.", by
Berufsgenossenschaft Rohstoffe und chemische Industrie,
Edition: September 2011;
Rule BGR 500 "Betreiben von Arbeitsmitteln" part 2,
chapter 2.32 "Betreiben von Sauerstoffanlagen",
paragraph 3.17 "Lubricants and sealing materials",
Edition: April 2008.

All pressures of this report are excess pressures.
This test report consists of page 1 to 4 and annex 1 to 2.

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