

**BAM**Bundesanstalt für
Materialforschung
und -prüfung

Report

on Testing a Nonmetallic Material for Reactivity with Oxygen

Reference Number 2-1893/2012 E

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Customer LOXEAL Srl
PO Box 21
Via Marconato 2
20031 CESANO MADERNO
ITALIEN

Order Date July 4, 2012

Receipt of Order July 16, 2012

Test Samples Loxeal 83-21 for use as an anaerobic sealing material or adhesive in piping, valves and fittings or other components for gaseous oxygen service at temperatures up to 60 °C.
BAM-Order No. 2.1/5

Receipt of Samples April 26, 2012

Test Date August 2, 2012 to August 3, 2012

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

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

