

DECLARATION

GERMAN CLEAN ACT – VDI GUIDELINE 2440 – **TA LUFT**

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Date : June 2016

Rev. 1

We hereby confirm that representative samples of

SC 1600

was verified by an accredited laboratory (Test Report No. 3030001) in a first-time test under the following conditions :

- Initial gasket stress : 30.7 MPa
- related to DN40/PN40 : 30.3 MPa
- Temperature of exposure : 150 °C
- Period of exposure : 48 h.
- Remaining gasket stress : 6.3 MPa
- Test pressure (absolute) : 1 bar
- Period of leakage measurement : 24 h.

The leak rate measured with the Helium leak detector at the end of the period of the leakage measurement was :

$$1.5 \cdot 10^{-6} \text{ mbar}\cdot\text{l}/(\text{s}\cdot\text{m})$$

Therefore the gasket is in compliance with the tightness criteria of VDI 2440.

If the design of the sealing system can be expected to permit normal function in the long term in the given operating conditions and the characteristic sealing value as per DIN 28090-1 or EN 13555, respectively, are observed when choosing and dimensioning the flange connection, the gasket can be regarded as a high-grade sealing system for the purposes of TA-Luft.

Notes

It is the responsibility of the buyer to assure traceability of the material during any further downstream use up to and including the finished machined part as well as the equipment in which it is assembled.

Rev. 0 - Released in January 2016

Rev. 1 – Change in VDI norm

MN/jun. 2016



GUARNIFLON SPA
(Società Socio Unico soggetta all'attività di direzione e coordinamento ex art. 2497 bis C.C. da parte di Mazza Holding srl)
Via T. Tasso n. 12 - 24060 Castelli Calepio (BG) ITALY
VAT N° IT 01406020162
C.F. 01406020162
REG.IMPRESSE DI BG - REA N. 203233
CAPITALE SOCIALE € 10.000.000 interamente versato

PTFE Products Division

Phone +39.035.4494311
Domestic Dept. Fax +39.035.4425191
Export Dept. Fax +39.035.4425238

PTFE Finished and Semifinished products
<http://www.guarniflon.com> - info@guarniflon.com
Accounting Dept. fax +39.035.4425249



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