

CERTIFICATE

No. 10/LBMU/06.03.2015



**Research
Laboratory
of Seal Material
Spetech sp. z o.o.**

43-382 Bielsko-Biała
ul. Szyprów 17, Polska
tel. + 48 33 818 41 33
fax. + 48 33 818 46 79
lab@spetech.com.pl
www.spetech.com.pl

The flat gaskets:

SPETOSPIR® SWZ PTFE

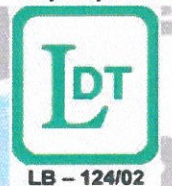
of the manufacturer:

C.S.U.T SPETECH Sp. z o.o.

43-382 Bielsko-Biała, ul. Szyprów 17, Poland



www.tuv.com
210/A13/5952



LB - 124/02

were verified in accordance with the VDI 2440:2000 the compliance with the tightness criteria.
The test was performed under the following conditions:

Geometry:	68/56/5	mm/mm/mm
initial gasket stress:	108	MPa
temperature of exposure:	150	°C
period of exposure:	48	h
remaining gasket stress:	66	MPa
test pressure (absolute):	1 / 40	bar
period of leakage measurement:	24	h
test medium:	helium	

The leak rate at the end of the period of the leakage measurement was:

1 bar test pressure:	$8,33 \cdot 10^{-8}$ mbar·l/(m·s)
40 bar test pressure:	$1,36 \cdot 10^{-5}$ mbar·l/(m·s)

The requirement of VDI 2440 is, in test temperature, the leakage must be less than $1 \cdot 10^{-4}$ mbar·l/(m·s). Therefore the gaskets fulfill that criteria and can be used in flange connections as a high-grade TA-Luft seals.

This certificate is valid only with the test report No. TALG/06032015/10/LBMU

Bielsko-Biała, March 14th, 2015

M.Sc.Eng. Janusz Zajączek