

# DIN EN 751-3:2024-03 (E)

Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 3: Unsintered PTFE tapes and PTFE strings (includes Amendment A1:2023)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>4</b>	<b>Differentiation and classification of PTFE tapes and PTFE strings .....</b>	<b>6</b>
4.1	Differentiation .....	6
4.2	Classification .....	6
<b>5</b>	<b>Requirements .....</b>	<b>7</b>
5.1	Requirements to be met by the PTFE tape and PTFE strings as received .....	7
5.1.1	General .....	7
5.1.2	Tape and string dimensions .....	7
5.1.3	Mass .....	7
5.1.4	Residual lubricant content .....	8
5.1.5	PTFE structure and material .....	8
5.1.6	Wrapping properties .....	8
5.2	Requirements to be met by the PTFE tape and PTFE string after assembly .....	8
5.2.1	Sealing properties .....	8
5.2.2	Dismantling .....	8
<b>6</b>	<b>Test samples and documentation .....</b>	<b>9</b>
6.1	Test samples .....	9
6.2	Test documentation .....	9
<b>7</b>	<b>Test methods .....</b>	<b>9</b>
7.1	General .....	9
7.2	Test methods for PTFE tapes or PTFE strings as received .....	9
7.2.1	Test of general requirements .....	9
7.2.2	Measurement of dimensions .....	9
7.2.3	Measurement of mass .....	10
7.2.4	Determination of residual lubricant content .....	10
7.2.5	Test of PTFE structure .....	11
7.2.6	Test of wrapping properties .....	11
7.3	Test of PTFE tapes or PTFE strings after assembly .....	14
7.3.1	Test of sealing properties .....	14
7.3.2	Test of dismantling .....	18
<b>8</b>	<b>Marking and instructions .....</b>	<b>18</b>
8.1	Marking on packages .....	18
8.2	Instructions .....	18
<b>Annex ZA (informative) Relationship between this European Standard and the essential requirements of Regulation (EU) 2016/426 aimed to be covered .....</b>		<b>19</b>
Bibliography .....		20