

# DIN EN 12230:2023-07 (E)

## Surfaces for sports areas - Test method for the determination of tensile properties of synthetic sports surfaces

---

| <b>Contents</b>   |   | <b>Page</b> |
|---|---|-------------|
| European foreword .....   |   | 3           |
| 1   | Scope .....   | 4           |
| 2   | Normative references .....  | 4           |
| 3   | Terms and definitions .....   | 4           |
| 4   | Method 1 - Determination of the tensile properties of homogenous test specimens less than 25 mm thick .....               | 5           |
| 4.1   | Principle .....   | 5           |
| 4.2   | Apparatus .....   | 5           |
| 4.3   | Test specimens .....  | 5           |
| 4.4   | Preparation and conditioning .....  | 6           |
| 4.5   | Number of test specimens .....  | 7           |
| 4.6   | Procedure .....   | 7           |
| 4.7   | Calculation and expression of results .....   | 7           |
| 4.8   | Test report .....   | 7           |
| 8   | Method 2 - Determination of the transverse tensile properties of homogenous shockpads 25 mm or greater in thickness ..... | 9           |
| 5.1   | Principle .....   | 9           |
| 5.2   | Apparatus .....   | 9           |
| 5.3   | Tests specimens .....   | 9           |
| 5.4   | Preparation and conditioning .....  | 11          |
| 5.5   | Number of test specimens .....  | 11          |
| 5.6   | Procedure .....   | 11          |
| 5.7   | Calculation and expression of results .....   | 11          |
| 5.8   | Test report .....   | 12          |
| Method 3 - Determination of the tensile properties of prefabricated shockpads containing slots or grooves ..... |   | 12          |
| 6.1   | Principle .....   | 12          |
| 6.2   | Apparatus .....   | 12          |
| 6.3   | Test specimens .....  | 12          |
| 6.4   | Preparation and conditioning .....  | 14          |
| 6.5   | Number of test specimens .....  | 14          |
| 6.6   | Procedure .....   | 14          |
| 6.7   | Calculation and expression of results .....   | 15          |
| 6.8   | Test report .....   | 15          |