

ISO 9073-3:2023-06 (E)

Nonwovens - Test methods - Part 3 : Determination of tensile strength and elongation at break using the strip method

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	4
5	Reagents and materials	4
6	Apparatus	5
6.1	Tensile testing machine (CRE or CRL)	5
6.2	Clamps and jaw faces	6
6.3	Container	6
7	Conditioning	6
8	Sampling	6
8.1	General	6
8.2	Laboratory sample	7
8.3	Test specimens	7
9	Preparation of specimens	7
9.1	General	7
9.2	Dimensions	7
9.3	Wet test specimens	8
10	Preparation, calibration and verification of apparatus	8
10.1	Tensile testing machine	8
10.2	Clamping system	8
10.3	Verification of the total operating system of the apparatus	8
11	Procedure	9
11.1	Gauge length	9
11.2	Rate of extension	9
11.3	Mounting of test specimens	9
11.4	Operation	10
11.5	Slippage	10
11.6	Jaw breaks	10
12	Calculation	10
12.1	Breaking force	10
12.2	Measurement of apparent elongation	11
12.3	For each testing situation	11
13	Expression of results	11
14	Precision	11
15	Test report	11
Annex A (informative)	Possible causes of low precision when strip tensile testing	13
Bibliography		14