

ISO 6330:2021-11 (E)

Textiles - Domestic washing and drying procedures for textile testing

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Apparatus and materials	3
5.1	Automatic washing machines	3
5.1.1	Reference washing machine Type A -- Horizontal axis, front-loading type	3
5.1.2	Reference washing machine Type B -- Vertical axis, top-loading agitator type	3
5.1.3	Reference washing machine Type C -- Vertical Axis, top-loading pulsator type	3
5.2	Tumble dryers	3
5.2.1	Type A1 tumble dryer -- Vented	3
5.2.2	Type A2 tumble dryer -- Condenser	3
5.2.3	Type A3 tumble dryer -- Large vented	3
5.3	Electrically (dry) heated flat-bed press	3
5.4	Line drying	3
5.5	Drying racks	3
5.6	Ballasts	3
5.6.1	Type I, 100 % cotton ballast	3
5.6.2	Type II, 50 % cotton/50 % polyester ballast	3
5.6.3	Type III, 100 % polyester ballast	3
5.6.4	Other ballast	4
6	Reagents	4
6.1	Reference detergents	4
6.1.1	Reference detergent 1	4
6.1.2	Reference detergent 2	4
6.1.3	Reference detergent 3	4
6.1.4	Reference detergent 4	4
6.1.5	Reference detergent 5	4
6.1.6	Reference detergent 6	5
6.1.7	Reference detergent 7	5
6.2	Water	5
6.2.1	Water hardness	5
6.2.2	Water pressure	5
6.2.3	Cold-water inlet temperature	5
7	Conditioning and testing atmosphere	5
8	Wash load	5
8.1	Total wash load	5
8.2	Number of specimens	5
8.3	Selection of ballast	6
8.4	Ratio of load to ballast	6

9	Washing procedure	6
10	Drying procedure	7
10.1	General	7
10.2	Open-air dry	7
10.2.1	General	7
10.2.2	Procedure A -- Line dry	7
10.2.3	Procedure B -- Line drip dry	7
10.2.4	Procedure C -- Flat dry	7
10.2.5	Procedure D -- Flat drip dry	8
10.3	Procedure E -- Flat press	8
10.4	Procedure F -- Tumble dry	8
10.4.1	General	8
10.4.2	Endpoint moisture content by setting time	8
10.4.3	Endpoint overdry state by setting time	8
10.4.4	Endpoint moisture content by automatic tumble dryer sensing	9
11	Domestic washing and drying procedure report	9
Annex A (normative) Specification for reference washing machine Type A -- Horizontal axis, front-loading type		10
Annex B (normative) Specification for wash procedures for reference washing machine Type A		13
Annex C (normative) Specification for machines and procedures for reference washing machine Type B -- Vertical axis, top-loading agitator type		18
Annex D (normative) Specification for reference washing machine Type C -- Vertical axis, top-loading pulsator type		19
Annex E (normative) Specification for washing procedures for reference washing machine Type C		20
Annex F (normative) Specification for tumble dryers		21
Annex G (normative) Specifications for all ballast types used in washing		22
Annex H (normative) Nominal percentage composition for non-phosphate powder reference detergent 1		24
Annex I (normative) Nominal percentage composition for non-phosphate reference detergent 2		26
Annex J (normative) Nominal percentage composition for non-phosphate reference detergent 3		27
Annex K (normative) Nominal percentage composition for reference detergent 4		28
Annex L (normative) Nominal percentage composition for reference detergent 6		29
Annex M (normative) Nominal percentage composition for reference detergent 7		30
Annex N (normative) Distribution and mixing of reference detergent 2, 3, or 6		31
Annex O (normative) Determination of cycled drying time for tumble dryers with a timer device		33
Bibliography		36