

# ISO 4484-3:2023-05 (E)

## Textiles and textile products - Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Principle .....	2
5	Apparatus .....	2
6	Reagents .....	3
7	Test condition .....	3
7.1	Standard atmosphere for preparation of test specimens and mass measurement .....	3
7.2	Test atmosphere for washing test .....	3
8	Test specimen preparation .....	3
9	Test procedure .....	3
9.1	General .....	3
9.2	Empty washing cycle before the washing test .....	3
9.3	Washing test of the test specimen .....	4
9.4	Washing of the collected material from the filter bag .....	4
9.5	Measurement of the mass of the collected materials .....	4
10	Calculation .....	5
10.1	Calculation for each test run .....	5
10.2	Calculation of average for 3 test runs .....	5
11	Repeatability and reproducibility .....	5
12	Test report .....	6
Annex A (informative) Filter fabrics specification and filter bag construction .....		7
Annex B (normative) Requirements of the washing machine to be used in this test .....		9
Annex C (informative) Number of empty washing cycles after test washing .....		12
Annex D (informative) Reference detergent .....		13
Annex E (informative) Condition of the multiple washing cycle test and example of the test result ...		14
Annex F (informative) Interlaboratory trial .....		17
Annex G (informative) Number of test specimens .....		22
Annex H (informative) Collection percentage of the fibre fragments .....		25
Annex I (informative) Filter aperture size .....		26
Bibliography .....		28