# DIN EN 15701:2017-02 (E)

## Plastics - Thermoplastic jackets for insulation products for building equipment and industrial installatio ns - Requirements and test methods

## Contents

Page


European foreword ..... 3

1 Scope ..... 4

2 Normative references ..... 4

3 Terms and definitions ..... 4

4 Requirements ..... 5
4.1 Requirements for the material composition of the jackets ..... 5
4.2 Requirements for vinyl chloride (VC) residual monomer content ..... 5
4.3 Technical and mechanical requirements ..... 5
4.3.1 General ..... 5
4.3.2 Technical and mechanical requirements for film for linear applications ..... 5
4.3.3 Technical and mechanical requirements for the initial material for mouldings ..... 6
4.3.4 Technical and mechanical requirements for the mouldings ..... 6
4.3.5 Other requirements for film for linear applications and for the initial material for mouldings ..... 7
4.4 Reaction to fire ..... 7
4.5 Release of dangerous substances ..... 7
4.6 Durability of reaction to fire against ageing/degradation ..... 7

5 Test methods ..... 7
5.1 Chemical testing ..... 7
5.1.1 VC residual monomer content ..... 7
5.2 Mechanical testing ..... 8
5.2.1 Film thickness ..... 8
5.2.2 Tensile-impact strength ..... 8
5.3 Reaction to fire test ..... 8
5.4 Scope of fire classification ..... 8

6 Marking, labelling and packaging ..... 8

7 Assessment and verification of constancy of performance (AVCP) ..... 9
7.1 General ..... 9
7.2 Type Testing ..... 9
7.2.1 General ..... 9
7.2.2 Test reports ..... 9
7.3 Factory production control (FPC) ..... 10
7.3.1 General ..... 10
7.3.2 Requirements ..... 10
7.3.3 Product specific requirements ..... 12
7.3.4 Initial inspection of factory and of FPC ..... 13
7.3.5 Continuous surveillance of FPC ..... 13
7.3.6 Procedure for modifications ..... 14

Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No. 305/2011 .15

Bibliography ..... 19