

# DIN EN 14932:2025-09 (E)

## Plastics - Thermoplastic stretch films for wrapping silage bales

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	7
4	Materials .....	9
5	Solar reflectance .....	10
6	Durability .....	10
7	Requirements .....	10
7.1	General requirements .....	10
7.2	Requirement for visual inspection .....	12
7.2.1	General .....	12
7.2.2	Adhesion .....	12
8	Test methods .....	12
8.1	Determination of film thickness .....	12
8.1.1	Determination of single point thickness .....	12
8.1.2	Determination of average thickness .....	12
8.2	Determination of width .....	13
8.3	Determination of core protrusion .....	13
8.4	Determination of film length .....	13
8.5	Determination of neck-in during film stretching .....	14
8.6	Determination of tensile characteristics .....	14
8.7	Determination of impact resistance .....	14
8.8	Determination of the tightening force .....	15
8.9	Determination of the tear resistance .....	15
8.10	Determination of total luminous transmittance .....	15
8.11	Determination of resistance to weathering .....	15
8.11.1	Principle .....	15
8.11.2	Procedure .....	15
8.11.3	Calculation and expression of results .....	15
8.12	Determination of oxygen transmission rate .....	16
9	Film acceptance, storage and handling .....	16
9.1	Delivery control .....	16
9.2	Storage and handling of rolls .....	16
10	Designation .....	16
11	Marking .....	17
11.1	Marking of the film .....	17
11.2	Marking on the packaging or label .....	17
12	Instructions for installation and use of silage stretch films .....	17

13	Design for recycling and end of life of stretch films and mantle film/net replacement film for wrapping silage bales .....	18
14	Removal and collection instructions of used silage stretch films .....	19
	Annex A (informative) Exposure to other light sources .....	20
	Annex B (informative) Numerical correlation between durations of stretch forage films exposed to artificial weathering and a natural exposure .....	23
	Annex C (normative) Determination of solar reflectance .....	25
	Annex D (normative) Determination of neck-in during stretching .....	28
	Annex E (normative) Determination of tightening force .....	31
	Annex F (informative) Determination of adhesion characteristic .....	33
	Bibliography .....	38