

DIN EN ISO 8611-1:2022-05 (E)

Pallets for materials handling - Flat pallets - Part 1: Test methods (ISO 8611-1:2021)

Contents		Page
European foreword		4
Foreword		5
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms and definitions	7
4	Measurements	9
5	Precision and accuracy of tests and apparatus	9
6	Test load	9
7	List of tests	10
8	Tests	10
8.1	Test 1 — Bending tests	10
	8.1.1 Purpose	10
	8.1.2 Procedure	11
	8.1.3 Measurements	12
8.2	Test 2 — Forklifting tests	13
	8.2.1 Purpose	13
	8.2.2 Procedure	13
	8.2.3 Measurement	14
8.3	Test 3 — Compression tests for blocks or stringers	15
	8.3.1 Purpose	15
	8.3.2 Procedure	15
	8.3.3 Measurement	16
8.4	Test 4 — Stacking test	17
	8.4.1 Purpose	17
	8.4.2 Procedure	18
	8.4.3 Measurement	18
8.5	Test 5 — Bottom deck bending tests	18
	8.5.1 Purpose	18
	8.5.2 Procedure	18
	8.5.3 Measurement	19
8.6	Test 6 — Wing pallet bending tests	20
	8.6.1 Purpose	20
	8.6.2 Procedure	20
	8.6.3 Measurements	21
8.7	Test 7 — Airbag bending tests	21
	8.7.1 Purpose	21
	8.7.2 Procedure	21
	8.7.3 Measurement	24
8.8	Test 8 — Static shear test	24
	8.8.1 Purpose	24
	8.8.2 Procedure	24
	8.8.3 Measurement	25
8.9	Test 9 — Corner drop test	25
	8.9.1 Purpose	25
	8.9.2 Procedure	25

8.9.3	Measurement.....	26
8.10	Test 10 — Shear impact tests	26
8.10.1	General	26
8.10.2	Purpose.....	27
8.10.3	Procedure	27
8.10.4	Measurement.....	27
8.11	Test 11 — Top deck edge impact test	28
8.11.1	Purpose.....	28
8.11.2	Procedure	28
8.11.3	Measurement.....	29
8.12	Test 12 — Block impact test	30
8.12.1	Purpose.....	30
8.12.2	Procedure	30
8.12.3	Measurement.....	31
8.13	Test 13 — Static coefficient of friction test.....	31
8.13.1	Purpose.....	31
8.13.2	Procedure	32
8.13.3	Measurement.....	32
8.14	Test 14 — Slip angle test.....	32
8.14.1	Purpose.....	32
8.14.2	Procedure	32
8.14.3	Measurement.....	33
9	Test report.....	33
9.1	General information — All materials.....	33
9.2	Information for wooden and wood-based composite pallets	34
9.3	Information for plastics pallets	34
9.4	Information for pallets made of other materials	34
	Bibliography.....	35