

ISO 8611-1:2025-02 (E)

Pallets for materials handling - Flat pallets - Part 1: Test methods

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

8.9.1	Purpose	20
8.9.2	Procedure	20
8.9.3	Measurement	20
8.10	Test 10 -- Shear impact tests	21
8.10.1	General	21
8.10.2	Purpose	21
8.10.3	Procedure	21
8.10.4	Measurement	21
8.11	Test 11 -- Top deck edge impact test	22
8.11.1	Purpose	22
8.11.2	Procedure	22
8.11.3	Measurement	23
8.12	Test 12 -- Block impact test	23
8.12.1	Purpose	23
8.12.2	Procedure	24
8.12.3	Measurement	24
8.13	Test 13 -- Static coefficient of friction test	25
8.13.1	Purpose	25
8.13.2	Procedure	25
8.13.3	Measurement	26
8.14	Test 14 -- Slip angle test	26
8.14.1	Purpose	26
8.14.2	Procedure	26
8.14.3	Measurement	26
9	Test report	27
9.1	General information -- All materials	27
9.2	Information for wooden and wood-based composite pallets	28
9.3	Information for plastics pallets	28
9.4	Information for pallets made of other materials	28
Bibliography		29