

Date received: 22-08-13

Date of issue: 04-09-13

Report consists of 7 test reports.

Defects before testing: None

Sample name: AIR chair

ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECİK 34537
BUYUKCEKMECE-ISTANBUL ()
TR - TURKEY

SAMPLE N° 163635

Overall dimensions: 500 x 530 x 820 (h) mm

List performed tests:

1. Outdoor furniture - General safety requirements EN 581-1:2006
2. Seat and back static load test EN 1728:2000
3. Seat and back fatigue test EN 1728:2000
4. Leg forward static load test EN 1728:2000
5. Leg sideways static load test EN 1728:2000
6. Seat impact test EN 1728:2000
7. Stability - EN 1022:2005



Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Giavon

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

SAMPLE N° 163635

Date of issue: 04-09-13
Sample weight: Not determined
Sample name: AIR chair



Side view



Rear view



Bottom view

TEST REPORT

163635 / 1

Date received: 22-08-13
Date of test: 26-08-13
Date of issue: 04-09-13
Sample name: AIR chair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 34537
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TR - TURKEY

Outdoor furniture - General safety requirements EN 581-1:2006

5.1 Edges and corners of parts which are directly contactable:

Requirement	Observed	Remarks
Edges and corners rounded and chamfered	Yes	None

5.1 Edges and corners of accessible parts:

Requirement	Observed	Remarks
Absence of sharp edges and burrs	Yes	None

5.2 Tubulars, holes and gaps accessible during use:

Requirement	Observed	Remarks
Capped holes and gaps if dimensions are ≥ 7 and ≤ 12 mm with depth ≥ 10 mm tested with probe as specif. at point 4, applying 30 N force	Yes	None
Bottom of tubulars capped or plugged	Yes	None

5.3 Shear and squeeze points:

Requirement	Observed	Remarks
Absence of shear and squeeze points, created by powered mechanisms	Not present	None
Absence of shear and squeeze points, created by loads during normal use	Yes	None

Conformity to clause 5 of standard EN 581-1:2006:

YES

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Givaroni

TEST REPORT

163635 / 2

Date received: 22-08-13
Date of test: 27-08-13
Date of issue: 04-09-13
Sample name: AIR chair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 34537
BUYUKCEKMECE-ISTANBUL
TR - TURKEY

Seat and back static load test EN 1728:2000

Seat and back static load test, clause 6.2.1

Test results:

Seat load N	Back force N	Number of cycles	Remarks
2.000	560	10 x 10 s	No defects
2.000	560	1 x 30 min	No defects

Seat front edge static load, clause 6.2.2

Seat load N	Number of cycles	Remarks
1.300	10 x 10 s	No defects
1.300	1 x 30 min	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

The standard EN 1728:2000 has been withdrawn and superseded by EN 1728:2012.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Givon

TEST REPORT

163635 / 3

Date received: 22-08-13

Date of test: 27-08-13

Date of issue: 04-09-13

Sample name: AIR chair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 34537
BUYUKCEKMECE-ISTANBUL
TR - TURKEY

Seat and back fatigue test EN 1728:2000

Seat and back fatigue test, clause 6.7

Test results:

Seat force N	Back force N	Number of cycles	Remarks
1.000	330	50.000	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

Bending moment to the back: 100 Nm

The standard EN 1728:2000 has been withdrawn and superseded by EN 1728:2012.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Giavon

TEST REPORT

163635 / 4

Date received: 22-08-13
Date of test: 03-09-13
Date of issue: 04-09-13
Sample name: AIR chair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECİK 34537
BUYUKCEKMECE-ISTANBUL
TR - TURKEY

Leg forward static load test EN 1728:2000

Leg forward static load test, clause 6.12

Test results:

Forward horizontal force N	Balancing seat load kg	Number of cycles	Remarks
280	100	10	No defects

Note:

According to EN 1728:2000, horizontal force has been reduced from 400 N to 280 N, to avoid tipping.

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

The standard EN 1728:2000 has been withdrawn and superseded by EN 1728:2012.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Giavon

TEST REPORT

163635 / 5

Date received: 22-08-13
Date of test: 03-09-13
Date of issue: 04-09-13
Sample name: AIR chair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 34537
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Leg sideways static load test EN 1728:2000

Leg sideways static load test, clause 6.13

Test results:

Sideways horizontal force N	Balancing seat load kg	Number of cycles	Remarks
250	100	10	No defects

Note:

According to EN 1728:2000, horizontal force has been reduced from 300 N to 250 N, to avoid tipping.

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

The standard EN 1728:2000 has been withdrawn and superseded by EN 1728:2012.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Givoni

TEST REPORT

163635 / 6

Date received: 22-08-13
Date of test: 03-09-13
Date of issue: 04-09-13
Sample name: AIR chair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECİK 34537
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Seat impact test EN 1728:2000

Seat impact test, clause 6.15

Test results:

Mass of impactor kg	Height of drop mm	Number of drops	Remarks
25	180	10	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

The standard EN 1728:2000 has been withdrawn and superseded by EN 1728:2012.

Head of Department
Paolo Baluto



Managing Director
Dr. Andrea Giavon

TEST REPORT

163635 / 7

Date received: 22-08-13
Date of test: 03-09-13
Date of issue: 04-09-13
Sample name: AIR chair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 34537
BUYUKCEKMECE-ISTANBUL
TR - TURKEY

Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 164 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 164 N does not overturn

Tilting chair in the rearmost position

Loading discs on the seat : /

Sideways overturning for chairs with arms

Horizontal force : /

Sideways overturning for chairs without arms

Horizontal force : 20 N does not overturn

Forwards overturning for chairs with footrest

Horizontal force : /

Test passed

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Ciavon