

Date received: 17/01/17

Date of issue: 15/02/17

Report consists of 8 test reports.

Defects before testing: None

Sample name: OPERA barstool

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

SAMPLE N° 226344

Overall dimensions: 460 x 520 x 1120 (h) mm

List performed tests:

1. Outdoor furniture - General safety requirements EN 581-1:2006
2. Seat and back static load test EN 1728:2012+AC:2013
3. Seat and back fatigue test EN 1728:2012+AC:2013
4. Leg forward static load test EN 1728:2012+AC:2013
5. Leg sideways static load test EN 1728:2012+AC:2013
6. Seat impact test EN 1728:2012+AC:2013
7. Foot rest static load test EN 1728:2012+AC:2013
8. Stability - EN 1022:2005



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Managing Director
Dr. Andrea Giavon

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SAMPLE N° 226344

Date of issue: 15/02/17
Sample weight: Not determined
Sample name: OPERA barstool



Side view



Rear view



Bottom view

TEST REPORT

226344 / 1

Date received: 17/01/17

Date of test: 18/01/17

Date of issue: 15/02/17

Sample name: OPERA barstool



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
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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	Mechanism 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
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TEST REPORT

226344 / 2

Date received: 17/01/17

Date of test: 19/01/17

Date of issue: 15/02/17

Sample name: OPERA barstool



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

Seat and back static load test EN 1728:2012+AC:2013

Seat and back static load test, clause 6.4

Test results:

Seat load N	Back force N	Number of cycles	Remarks
2.000	520	10 x 10 s	No defects
2.000	520	1 x 30 min	No defects

Note:

According to EN 1728:2012, back force has been reduced from 560 N to 520 N to avoid tipping.

Seat front edge static load, clause 6.5

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 2 of EN 581-2:2015, contract level.

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Managing Director
Dr. Andrea Glavon

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TEST REPORT

226344 / 3

Date received: 17/01/17

Date of test: 09/02/17

Date of issue: 15/02/17

Sample name: OPERA barstool



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

Seat and back fatigue test EN 1728:2012+AC:2013

Seat and back fatigue test, clause 6.17

Test results:

Seat force N	Back force N	Number of cycles	Remarks
1.000	270	50.000	No defects

Note:

According to EN 1728:2012, back force has been reduced from 333 N to 270 N to avoid tipping.

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Managing Director
Dr. Andrea Giavon

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TEST REPORT

226344 / 4

Date received: 17/01/17

Date of test: 14/02/17

Date of issue: 15/02/17

Sample name: OPERA barstool



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

Leg forward static load test EN 1728:2012+AC:2013

Leg forward static load test clause 6.15

Test results:

Forward horizontal force N	Balancing seat force N	Number of cycles	Remarks
260	1.000	10	No defects

Note:

According to EN 1728:2012, horizontal force has been reduced from 400 N to 260 N, to avoid tipping.

The test has been carried out according to table 2 of EN 581-2:2015, contract level.

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Managing Director
Dr. Andreea Giavon

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TEST REPORT

226344 / 5

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Sample name: OPERA barstool



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
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BUYUKCEKMECE-ISTANBUL
TR - TURKEY

Leg sideways static load test EN 1728:2012+AC:2013

Leg sideways static load test clause 6.16

Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
210	1.000	10	No defects

Note:

According to EN 1728:2012, horizontal force has been reduced from 300 N to 210 N, to avoid tipping.

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Dr. Andrea Giavon

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TEST REPORT

226344 / 6

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ISILPLAST PLASTIK SANAYII VE TIC. A.S.
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TR - TURKEY

Seat impact test EN 1728:2012+AC:2013

Seat impact test clause 6.24

Test results:

Mass of impactor kg	Height of drop mm	Number of drops	Remarks
25	240	10	No defects

Note:

The test has been carried out according to table 2 of EN 581-2:2015, contract level.

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TEST REPORT

226344 / 7

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Sample name: OPERA barstool

ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 34537
BUYUKCEKMECE-ISTANBUL
TR - TURKEY**Foot rest static load test EN 1728:2012+AC:2013**

Foot rest static load test, clause 6.8

Test results:

Force on foot rest N	Number of cycles	Remarks
1.200	10	No defects

Note:

The test has been carried out according to table 2 of EN 581-2:2015, contract level.

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TEST REPORT

226344 / 8

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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: 81 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 81 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 : 20 N does not overturn

Test passed

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