

Date received: 25-08-09

Date of issue: 21-09-09

Report consists of 14 attached sheets.

Defects before testing: None

Sample name: Code 052 CRYSTAL armchair

ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECİK 34537
BUYUKCEKMECE-ISTANBUL ()
TR – TURKEY**TEST REPORT N° 108091**

List performed tests

1. Non-domestic seating. Safety requirements EN 15373:2007
2. Seat and back static load test EN 1728:2000
3. Non-domestic seating. Vertical load on back rest EN 15373:2007
4. Arm sideways static load test EN 1728:2000
5. Arm downwards static load test EN1728:2000
6. Seat and back fatigue test EN 1728:2000
7. Seat front edge durability test EN 1728:2000
8. Arm fatigue test EN 1728:2000
9. Leg forward static load test EN 1728:2000
10. Leg sideways static load test EN 1728:2000
11. Seat impact test EN 1728:2000
12. Back impact test EN 1728:2000
13. Arm impact test EN 1728:2000
14. Stability - EN 1022:2005



Head of Department
Paolo Balutto

Managing Director
Dr. Andrea Givoni

Sample name is declared by the orderer. This report relates to the samples 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.

TEST REPORT

108091 / 1

Date received: 25-08-09

Date of test: 26-08-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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

Non-domestic seating. Safety requirements EN 15373:2007

Non-domestic seating. Safety requirements EN 15373:2007 - clauses 5.1 and 5.2

Statement checked	Remarks
Corner and edges in contact with the users: • Absence of sharp edges and corners	Yes
Accessible hollow components: • The ends of hollow components are closed or capped	Yes
Movable and adjustable parts: • It shall not possible for any movable and adjustable part of the chair to come operate unintentionally.	Not present
Connections between parts of the structure: • It shall not possible for any load bearing part of the seating to come loose unintentionally	No
Parts wich are lubricated: • All the parts wich are lubricated shall be designed to protect users	Not present
Shear and squeeze points between movable parts $\geq 7 \text{ mm} \leq 18 \text{ mm}$: • Shear and squeeze points under influence of powered mechanism • Shear and squeeze points during normal use • Shear and squeeze points created by the weight of the user during normal movements and actions	Not present No No
Conformity to clauses 5.1 and 5.2 of standard EN 15373:2007:	YES

Head of Department
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Managing Director
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TEST REPORT

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Date received: 25-08-09

Date of test: 01-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECİK 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
1.600	560	10	No defects

Seat front edge static load, clause 6.2.2

Seat load N	Number of cycles	Remarks
1.600	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
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Managing Director
Dr. Andrea Giavon



TEST REPORT

108091 / 3

Date received: 25-08-09

Date of test: 01-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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

Non-domestic seating. Vertical load on back rest EN 15373:2007

Non-domestic seating: vertical static load on back rest - Annex A, clause A.2 EN 15373:2007

Test results:

Seat load N	Downwards force N	Number of applications	Remarks
1.300	600	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
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Managing Director
Dr. Andrea Givon



TEST REPORT

108091 / 4

Date received: 25-08-09

Date of test: 01-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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

Arm sideways static load test EN 1728:2000

Arm sideways static load test, clause 6.5

Test results:

Horizontal force N	Number of applications	Remarks
600	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
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TEST REPORT

108091 / 5

Date received: 25-08-09

Date of test: 01-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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

Arm downwards static load test EN1728:2000

Arm downwards static load test, clause 6.6

Test results:

Vertical force N	Number of applications	Remarks
900	10	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
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Managing Director
Dr. Andrea Giavon



TEST REPORT

108091 / 6

Date received: 25-08-09

Date of test: 01-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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	300	100.000	No defects

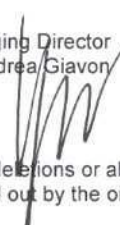
Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Giavon



TEST REPORT

108091 / 7

Date received: 25-08-09

Date of test: 07-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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

Seat front edge durability test EN 1728:2000

Seat front edge durability test, clause 6.8

Test results:

Points of application	Seat force N	Number of cycles	Remarks
80 mm back from the front edge	1.000	50.000	No defects

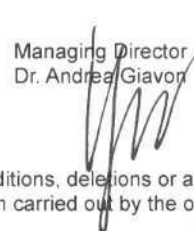
Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Givoni



TEST REPORT**108091 / 8**

Date received: 25-08-09

Date of test: 18-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair

ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 34537
BUYUKCEKMECE-ISTANBUL
TR - TURKEY**Arm fatigue test EN 1728:2000**

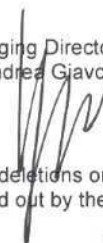
Arm fatigue test, clause 6.10

Test results:

Load on arm rest N	Number of cycles	Remarks
400	50.000	No defects

Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo BaluttoManaging Director
Dr. Andrea Giavon

TEST REPORT

108091 / 9

Date received: 25-08-09

Date of test: 21-09-09

Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



ISILPLAST PLASTIK SANAYII VE TIC. A.S.
CATALCA YOLU NO:4 TEPECIK 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 force N	Number of cycles	Remarks
500	1.300	10	No defects

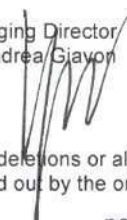
Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Giayon



TEST REPORT

108091 / 10

Date received: 25-08-09
Date of test: 21-09-09
Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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

Leg sideways static load test EN 1728:2000

Leg sideways static load test, clause 6.13

Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
350	1.300	10	No defects

Note:

According to EN 1728/00, horizontal force has been reduced from 490 N to 350 N, to avoid tipping.

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo Balutto

Managing Director/
Dr. Andrea Gayon

TEST REPORT

108091 / 11

Date received: 25-08-09
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Sample name: Code 052 CRYSTAL armchair



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

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	240	10	No defects

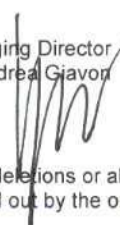
Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Givoni



TEST REPORT

108091 / 12

Date received: 25-08-09

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Date of issue: 21-09-09

Sample name: Code 052 CRYSTAL armchair



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

Back impact test EN 1728:2000

Back impact test, clause 6.16

Test results:

Angle °	Mass of impactor kg	Number of cycles	Remarks
48	6,5	10	No defects

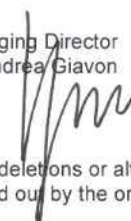
Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Giavon



TEST REPORT

108091 / 13

Date received: 25-08-09

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Sample name: Code 052 CRYSTAL armchair



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

Arm impact test EN 1728:2000

Arm impact test, clause 6.17

Test results:

Angle °	Mass of impactor kg	Number of cycles	Remarks
48	6,5	10	No defects

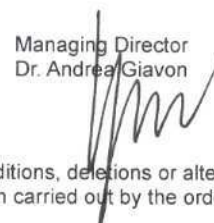
Note:

The test has been carried out according to table 1 of EN 15373:2007, level 2° - general.

Head of Department
Paolo Balutto



Managing Director
Dr. Andrea Giavon



TEST REPORT

108091 / 14

Date received: 25-08-09

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Sample name: Code 052 CRYSTAL armchair



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

Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 169 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 169 N does not overturn

Tilting chair in the rearmost position

Loading discs on the seat : //

Sideways overturning for chairs with arms

Horizontal force : 20 N does not overturn

Sideways overturning for chairs without arms

Horizontal force : //

Forwards overturning for chairs with footrest

Horizontal force : //

Test passed

Head of Department
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Managing Director
Dr. Andrea Givoni