



## PRODUCT DOCUMENT PACK

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### PRODUCT

# Siesta FL-118-13672 Helen Chair

**Model / SKU: FL-118-13672**

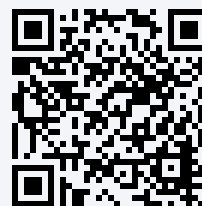
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Report ID: 343113  
Date of sample receipt: 31/01/23  
Date of issue: 14/02/23

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)  
ULUS MAH. CATALCA YOLU CAD. NO: 597  
34537 TEPECİK, BUYUKCEKMECE-ISTANBUL  
TR - TURKEY

Sample name: CODE 284 HELEN chair

## SAMPLE N° 343113

Overall dimensions: 590 x 480 x 850 (h) mm

### List of test reports:

1. Outdoor furniture - General safety requirements EN 581-1:2017
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. Stability - EN 1022:2005
8. Stability EN 1022:2018, clause 7.3



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## SAMPLE N° 343113

Date of issue: 14/02/23  
Sample weight: Not determined  
Sample name: CODE 284 HELEN chair



Side view



Rear view



Bottom view

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## TEST REPORT 343113 / 1

Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 01/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)

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## Outdoor furniture - General safety requirements EN 581-1:2017

### 5.1 General:

| Requirement                                                                                  | Observed    | Remarks |
|----------------------------------------------------------------------------------------------|-------------|---------|
| Edges of seat, back rest and arm rests rounded and chamfered                                 | Yes         | None    |
| All other parts: free from burrs, sharp edges and sharp points.                              | Yes         | None    |
| Movable and adjustable parts designed so that injuries and inadvertent operation are avoided | Not present | None    |
| Any load bearing part of furniture not come loose unintentionally                            | Yes         | None    |
| Lubricated parts are protected                                                               | Not present | None    |

### 5.2 Tubular components:

| Requirement                                                                                                    | Observed | Remarks |
|----------------------------------------------------------------------------------------------------------------|----------|---------|
| Absence of tubular components with diameter > 7 mm and < 12 mm with a depth > 10 mm.                           | Yes      | None    |
| Tubulars in contact with the floor are closed. Holes in them are allowed as long as they are < 7 mm or > 12 mm | Yes      | None    |

### 5.3 Shear and squeeze points:

| Requirement                                                                                                                                       | Observed    | Remarks |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|
| Shear and squeeze points that are created only during adjusting and folding away are acceptable if the user has the control of his/her movements. | Not present | None    |
| Absence of shear and squeeze points, created by parts operated by powered mechanism.                                                              | Not present | None    |
| Absence of shear and squeeze points, created by loads applied during normal use.                                                                  | Yes         | None    |

Conformity to requirements of clause 5 of standard EN 581-1:2017:

**YES**

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## TEST REPORT

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Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 02/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)

ULUS MAH. CATALCA YOLU CAD. NO: 597  
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## Seat and back static load test EN 1728:2012+AC:2013

### Test performed according to EN 581-2:2015+AC:2016

Seat and back static load test, clause 6.4, EN 1728:2012+AC:2013

Test results:

| Seat load<br>N | Back force<br>N | Number<br>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 6.5, EN 1728:2012+AC:2013

| Seat load<br>N | Number<br>of cycles | Remarks    |
|----------------|---------------------|------------|
| 1.300          | 10                  | No defects |

Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015+AC:2016, contract level.

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## TEST REPORT

### 343113 / 3

Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 07/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)

ULUS MAH. CATALCA YOLU CAD. NO: 597  
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TR - TURKEY

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

### Test performed according to EN 581-2:2015+AC:2016

Seat and back fatigue test, clause 6.17, EN 1728:2012+AC:2013

#### Test results:

| Seat force<br>N | Back force<br>N | Number<br>of cycles | Remarks    |
|-----------------|-----------------|---------------------|------------|
| 1.000           | 310             | 50.000              | No defects |

#### Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 333 N to 310 N to avoid tipping.

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015+AC:2016, contract level.

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## TEST REPORT

**343113 / 4**

Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 13/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)

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

### Test performed according to EN 581-2:2015+AC:2016

Leg forward static load test clause 6.15, EN 1728:2012+AC:2013

#### Test results:

| Forward horizontal force<br>N | Balancing seat force<br>N | Number of cycles | Remarks    |
|-------------------------------|---------------------------|------------------|------------|
| 400                           | 1.000                     | 10               | No defects |

#### Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015+AC:2016, contract level.

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## TEST REPORT

**343113 / 5**

Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 13/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)

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

### Test performed according to EN 581-2:2015+AC:2016

Leg sideways static load test clause 6.16, EN 1728:2012+AC:2013

#### Test results:

| Sideways horizontal force<br>N | Balancing seat force<br>N | Number of cycles | Remarks    |
|--------------------------------|---------------------------|------------------|------------|
| 300                            | 1.000                     | 10               | No defects |

#### Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015+AC:2016, contract level.

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## TEST REPORT

# 343113 / 6

Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 13/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)

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## Seat impact test EN 1728:2012+AC:2013

### Test performed according to EN 581-2:2015+AC:2016

Seat impact test clause 6.24, EN 1728:2012+AC:2013

#### Test results:

| Mass of impactor kg | Height of drop mm | Impact point                                              | Number of drops | Remarks    |
|---------------------|-------------------|-----------------------------------------------------------|-----------------|------------|
| 25                  | 240               | seat loading point (A)                                    | 10              | No defects |
| 25                  | 240               | on the longitudinal axis, 100 mm from the front seat edge | 10              | No defects |

#### Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015+AC:2016, contract level.

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## TEST REPORT 343113 / 7

Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 13/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)  
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### Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 165 N

#### Forwards overturning

Horizontal force : 20 N does not overturn

#### Rearwards overturning

Fixed back chair

Horizontal force : 165 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 : /

The test result complies with the requirements of EN 1022:2005

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## TEST REPORT

**343113 / 8**

Revision: 0  
Date of sample receipt: 31/01/23  
Date of test: 13/02/23  
Date of issue: 14/02/23



Sample name: CODE 284 HELEN chair

ISILPLAST PLASTIK SAN. VE TIC. A.S. (SIESTA EXCL.)

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## Stability EN 1022:2018, clause 7.3

Type of chair: fixed geometry

Positioning of chair components: as specified in Table 1 of EN 1022:2018

Loads and masses according to table B1 of EN 1022:2018, annex B

### Forwards overturning

Forwards overturning, clause 7.3.1 : does not overturn

Forwards overturning for seating with foot rest, clause 7.3.2 : /

Corner stability, clause 7.3.3 : does not overturn

### Sideways overturning

Sideways overturning, all seating without arm rests, clause 7.3.4 : does not overturn

Seating with arm rests, clause 7.3.5.2 : /

Seating with raised side edges, clause 7.3.5.3 : /

### Rearwards overturning

Rearwards overturning all seating with back rests, clause 7.3.6

Minimum force required: 165 N : does not overturn

Tilting seating, clause 7.4.2 : /

Reclining seating with leg rest, clause 7.4.3 : /

Reclining seating without leg rest, clause 7.4.4 : /

Rearwards stability test for rocking chairs, clause 7.4.5 : /

The test results comply with the requirements in clause 7.2 of EN 1022:2018.

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