

TEST RESULTS

# Hyundai i30

Hyundai i30 1.4MPI GLS, LHD

2012 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 32 pts | 90%

### FRONTAL IMPACT

15,4 pts



Driver



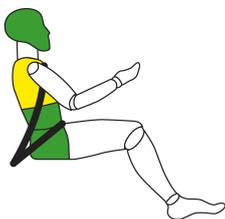
Passenger

### SIDE IMPACT CAR

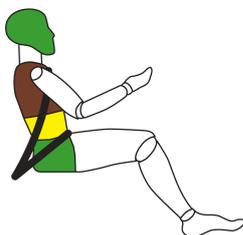
7,7 pts

### SIDE IMPACT POLE

5,9 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,3 pts



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	1mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

#### UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

#### LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	clutch - 53mm
Upward pedal movement	brake - 27mm

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	Standard, cloth, 6 way manual
Head restraint type	Passive
Geometric assessment	1 pts

#### TESTS

- High severity	2,1 pts
- Medium severity	2,5 pts
- Low severity	2,6 pts

# TEST RESULTS

## CHILD OCCUPANT

Total 44 pts | 90%

### 18 MONTH OLD CHILD

**Restraint** Britax-Romer Baby Safe Plus  
**Group** 0, 0+  
**Facing** rearward  
**Installation** ISOFIX anchorages and support leg



**PERFORMANCE** 12 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### 3 YEAR OLD CHILD

**Restraint** Britax-Romer Romer Duo Plus  
**Group** 1  
**Facing** forward  
**Installation** ISOFIX anchorages and top tether



**PERFORMANCE** 12 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### VEHICLE BASED ASSESSMENT

8 pts

#### Airbag warning Label

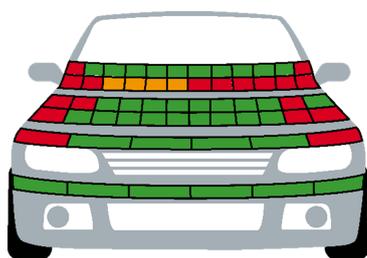
Text and pictogram label permanently attached to both sides of the passenger sun visor

## PEDESTRIAN

Total 24 pts | 67%

## SAFETY ASSIST

Total 6 pts | 86%



**GOOD**  
**MARGINAL**  
**POOR**

**HEAD** 14,3 pts  
**PELVIS** 4 pts  
**LEG** 6 pts

### SPEED LIMITATION ASSISTANCE

0 pts

Not assessed

### ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- ESP Pass  
 Yaw rate ratio (1.00s) 3,90 %  
 Yaw rate ratio (1.75s) 4,50 %  
 Lateral displacement (1.07s) 3,11 m

### SEATBELT REMINDER

3 pts

- driver Pass  
 - passenger Pass  
 - rear Pass

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	Hyundai i30 1.4MPI GLS, LHD
<b>Body type</b>	5 door hatchback
<b>Year of publication</b>	2012
<b>Kerb weight</b>	1306kg
<b>VIN from which rating applies</b>	applies to all i30's of the specification tested

### SAFETY EQUIPMENT

<b>Front seatbelt pretensioners</b>	
<b>Front seatbelt load limiters</b>	
<b>Driver frontal airbag</b>	
<b>Front passenger frontal airbag</b>	
<b>Side body airbags</b>	
<b>Side head airbags</b>	
<b>Electronic Stability Control</b>	
<b>Seatbelt Reminder</b>	Driver, passenger and rear

## COMMENTS

### Adult occupant

The passenger compartment of the i30 remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Hyundai showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different positions. In the side barrier test, protection of the chest was adequate and that of other body regions was good. In the more severe side pole test, protection of the chest was weak. The seat and head restraint provided good protection against whiplash injuries in the event of a rear-end collision.

### Child occupant

Based on dummy results in the dynamic tests, the i30 scored maximum points for its protection of both the 18 month infant and the 3 year old child. In the frontal impact, forward movement of the head of the 3 year dummy, sat in a forward facing restraint, was not excessive. In the side impact, both dummies were properly contained by the protective shells of their restraints, minimising the likelihood of contact with parts of the car's interior. The passenger airbag can be disabled by means of a switch, allowing a rearward facing child restraint to be used in the passenger seat. The system provided clear information to the driver regarding the status of the airbag. There were clear warnings of the dangers of using a rearward facing restraint in that seating position without having deactivated the airbag.

### Pedestrian

The bumper provided good protection to pedestrians and the car scored maximum points in this area. The front edge of the bonnet provided predominantly good protection. In most areas where a child's head might strike, the bonnet provided good protection but the protection of an adult's head was mixed.

### Safety assist

Electronic stability control is standard equipment on the i30 and met Euro NCAP's requirements. A seatbelt reminder is standard for the driver, front passenger and rear seats. A speed limitation device is available but was not assessed by Euro NCAP as it is offered as an option.