

TEST RESULTS

HYUNDAI i40

Hyundai i40 1.7 diesel GLS, LHD

2011



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



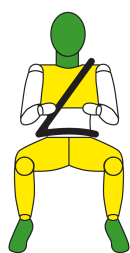
SAFETY ASSIST

ADULT OCCUPANT

Total 33 pts | 92%

FRONTAL IMPACT

14,2 pts



Driver



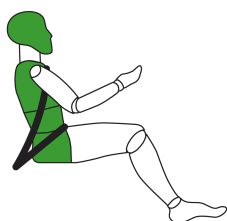
Passenger

SIDE IMPACT CAR

8 pts

SIDE IMPACT POLE

7,6 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,4 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	11mm
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	brake - 65mm
Upward pedal movement	brake - 14mm

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	2,5 pts
- Medium severity	2,4 pts
- Low severity	2,4 pts

TEST RESULTS

CHILD OCCUPANT

Total 42 pts | 86%

18 MONTH OLD CHILD

Restraint Britax Roemer BabySafe ISOFIX
Group 0+
Facing rearward
Installation ISOFIX anchorages and support frame



PERFORMANCE **11,4 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 Roemer Duo Plus ISOFIX
Group 0,1
Facing forward
Installation ISOFIX anchorages and top tether



PERFORMANCE **11,8 pts**
 INSTRUCTIONS **4 pts**
 INSTALLATION **2 pts**

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load fair

SIDE IMPACT

Head containment protected
Head acceleration good

VEHICLE BASED ASSESSMENT

7 pts

Airbag warning Label

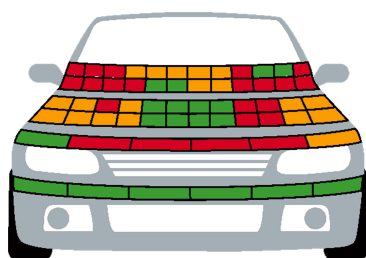
Text and pictogram warning label permanently attached to the passenger sun visor

PEDESTRIAN

Total 16 pts | 43%

SAFETY ASSIST

Total 6 pts | 86%



GOOD
MARGINAL
POOR

HEAD 8,1 pts
PELVIS 1,5 pts
LEG 6 pts

SPEED LIMITATION ASSISTANCE

1 pts

- active, optional

Pass

ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- ESP

Pass

Yaw rate ratio (1.00s) 9,70 %
 Yaw rate ratio (1.75s) 2,10 %
 Lateral displacement (1.07s) 3,08 m

SEATBELT REMINDER

2 pts

- driver Pass
 - passenger Pass
 - rear Not assessed

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Hyundai i40 1.7 diesel GLS, LHD
Body type	5 door hatchback
Year of publication	2011
Kerb weight	1570kg
VIN from which rating applies	applies to all i40s of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	single stage
Front passenger frontal airbag	single stage
Side body airbags	
Side head airbags	
Driver knee airbag	
Speed Limitation Assistance	Meeting fitment requirements
Electronic Stability Control	
Seatbelt Reminder	Driver and front passenger

COMMENTS

Adult occupant

The passenger compartment of the i40 remained stable in the frontal impact. A driver knee airbag is standard equipment and dummy readings indicated good protection of the knees, femurs and pelvis for both front seat occupants. The steering column was considered a potential risk but Hyundai demonstrated that other parts of the fascia offered good protection. The i40 scored maximum points in the side barrier test and provided adequate chest protection in the more severe side pole impact. The seat and head restraint provided good protection against whiplash injuries in the event of a rear-end collision.

Child occupant

Forward movement of the 3 year dummy, sat in a forward-facing restraint, was not excessive and both the 3 year and the 18 month dummies were properly contained in the side impact test. The front passenger airbag can be disabled to allow a rearward-facing restraint to be used in that seating position and the i40 provides clear information to the driver regarding the status of the airbag. A permanently attached label gives a clear warning of the dangers of using a rearward facing seat in the passenger seat without first disabling the airbag.

Pedestrian

The protection offered by the bonnet was predominantly poor or marginal. The front edge of the bonnet also offered mostly poor or marginal protection to pedestrians. Only the bumper scored maximum points, offering good protection to pedestrians' legs.

Safety assist

The i40 is equipped with electronic stability control (ESC) as standard equipment. A driver-set speed limitation device is optional on low grades but its sales as standard equipment on higher grade models are expected to exceed Euro NCAP's 2011 requirements. A seat belt reminder is standard for both the driver and front seat passenger.