

Geely Emgrand EC7

Geely Emgrand EC718 'Luxury', LHD

2011 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 27 pts | 75%

FRONTAL IMPACT

9,1 pts



Driver



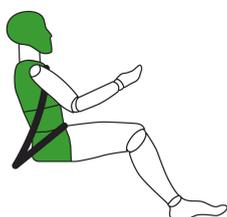
Passenger

SIDE IMPACT CAR

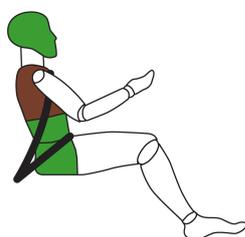
8 pts

SIDE IMPACT POLE

6,1 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,7 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	21mm
Steering wheel rearward	74mm
Steering wheel upward	none
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	Steering column, ignition barrel, end of facia
Concentrated loads on knees	Steering column, ignition barrel, end of facia

LOWER LEGS AND FEET

Footwell Collapse	rupture
Rearward pedal movement	brake - 176mm
Upward pedal movement	clutch - 67mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard, leather, 4 way electric
Head restraint type	Passive
Geometric assessment	1 pts

TESTS

- High severity	2,9 pts
- Medium severity	2,5 pts
- Low severity	2,6 pts

TEST RESULTS

CHILD OCCUPANT

Total 39 pts | 80%

18 MONTH OLD CHILD

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



PERFORMANCE 10 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-Römer 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

5 pts

Airbag warning Label

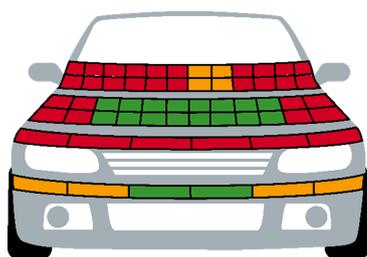
Text and pictogram permanently attached to passenger sun visor

PEDESTRIAN

Total 15 pts | 42%

SAFETY ASSIST

Total 6 pts | 86%



GOOD
MARGINAL
POOR

HEAD 9,2 pts
PELVIS 0 pts
LEG 5,8 pts

SPEED LIMITATION ASSISTANCE

0 pts

- active, standard

Fail

ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- ESP

Pass

Yaw rate ratio (1.00s)

8,40 %

Yaw rate ratio (1.75s)

3,30 %

Lateral displacement (1.07s)

3,30 m

SEATBELT REMINDER

3 pts

- driver

Pass

- passenger

Pass

- rear

Pass

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Geely Emgrand EC718 'Luxury', LHD
Body type	5 door saloon
Year of publication	2011
Kerb weight	1355kg
VIN from which rating applies	applies to all EC7 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	
Speed Limitation Assistance	
Electronic Stability Control	
Seatbelt Reminder	driver, passenger and rear seats

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Although dummy readings indicated good protection of the knees and femurs of the driver and front passenger, structures in the dashboard were thought to present a risk to occupants of different sizes and to those sat in different positions. There was considerable deformation in driver's footwell area, with tearing of the metal in places. The car was penalised for this collapse, resulting in the protection of the driver's feet and ankles being rated as poor. In the side barrier test, the car scored maximum points, all body areas being well protected. However, in the more severe side pole test, dummy readings of rib compression indicated weak protection of the driver's chest. The seat and head restraint provided good protection against whiplash injuries in the event of a rear-end collision.

Child occupant

Based on dummy readings in the dynamic tests, the EC7 scored maximum points for its protection of the 3 year dummy. Forward movement of dummies, both of which were sat in forward-facing restraints, was not excessive. In the side impact, both dummies were properly contained by the shells of their restraints, minimising the likelihood of dangerous head contacts. The passenger airbag can be disabled to allow a rearward facing restraint to be used in that seating position. However, the information provided to the driver regarding the status of the airbag is not sufficiently clear. The dangers of using a rearward facing restraint in that seat without first disabling the airbag are clearly explained in the languages of the countries in which the car is sold.

Pedestrian

The protection provided by the bumper to pedestrians' legs was rated predominantly as marginal. The front edge of the bonnet scored no points, giving poor protection in all of the areas tested. In most areas likely to be struck by the head of a child, the bonnet provided good protection but was predominantly poor in those areas likely to be struck by an adult.

Safety assist

Electronic stability control is standard equipment on the EC7, and the system met Euro NCAP's test requirements. A seatbelt reminder is standard for the driver, passenger and rear seats. The EC7 has a driver-set speed limitation device as standard but the system did not meet Euro NCAP's requirements.