

Chevrolet Spark

Chevrolet Spark 1.0 base grade, LHD

2009



81%

ADULT OCCUPANT



78%

CHILD OCCUPANT



43%

PEDESTRIAN



43%

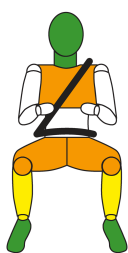
SAFETY ASSIST

ADULT OCCUPANT

Total 29 pts | 81%

FRONTAL IMPACT

11 pts



Driver



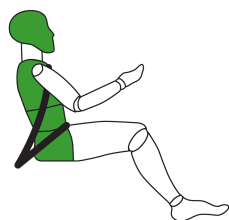
Passenger

SIDE IMPACT CAR

8 pts

SIDE IMPACT POLE

7,3 pts



Car



Pole

REAR IMPACT (WHIPLASH)

2,8 pts



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

FRONTAL IMPACT

HEAD

Driver airbag contact stable

Passenger airbag contact stable

CHEST

Passenger compartment stable

Windscreen Pillar rearward 2mm

Steering wheel rearward none

Steering wheel upward none

Chest contact with steering wheel none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard yes: steering column and ignition barrel; facia ends; centre console; glovebox bracket

Concentrated loads on knees yes: steering column and ignition barrel; facia ends; centre console; glovebox bracket

LOWER LEGS AND FEET

Footwell Collapse none

Rearward pedal movement accelerator - 31mm

Upward pedal movement clutch - 4mm

SIDE IMPACT

Head protection airbag Yes

Chest protection airbag Yes

WHIPLASH

Seat description Standard cloth, 2 way manual adjust

Head restraint type Passive

Geometric assessment 0,1 pts

TESTS

- High severity 2,7 pts

- Medium severity 2,5 pts

- Low severity	2,4 pts
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CHILD OCCUPANT

Total 38 pts | 78%

18 MONTH OLD CHILD

Restraint Britax Romer Duo Plus
Group 0, 0+
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 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

4 pts

Airbag warning Label

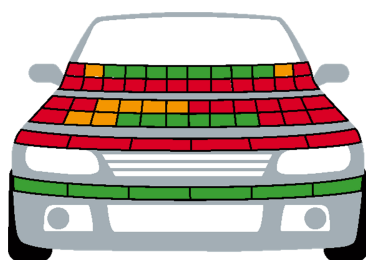
Text and pictogram warning label permanently attached to both sides of the passenger sun visor

PEDESTRIAN

Total 16 pts | 43%

SAFETY ASSIST

Total 3 pts | 43%



GOOD
 MARGINAL
 POOR

HEAD 9,6 pts
 PELVIS 0 pts
 LEG 6 pts

SPEED LIMITATION ASSISTANCE 0 pts

- 0, not available

ELECTRONIC STABILITY CONTROL (ESC) 0 pts

-

Yaw rate ratio (1.00s) %
 Yaw rate ratio (1.75s) %
 Lateral displacement (1.07s) m

SEATBELT REMINDER 3 pts

- driver
 - passenger
 - rear

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Chevrolet Spark 1.0 base grade, LHD
Body type	5 door hatchback
Year of publication	2009
Kerb weight	978kg
VIN from which rating applies	applies to all Sparks 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	

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the head and neck but deflection of the chest indicated marginal protection for the chest of both driver and passenger. Structures in the dashboard posed a risk of injury to the knees and femurs of both the driver and the passenger. The Spark scored maximum points in the side barrier impact. In the more severe side pole test, protection of the chest was adequate and that of other body regions was good. Marginal protection was provided against whiplash injuries in the event of rear impact.

Child occupant

Based on dummy readings in the frontal and side barrier tests, the Spark scored maximum points for its protection of the 3 year dummy. Both dummies were sat in forward facing child restraints. Forward movement of the head was well controlled in each case. In the side impact, the dummies' were properly contained by the protective shell of their restraints. The passenger airbag can be disabled to allow a rearward facing restraint to be used in that seating position. However, information provided to the driver regarding the status of the airbag is not clear. A permanently attached label warns of the dangers of using a rearward facing child seat in that position without first disabling the airbag.

Pedestrian

The bumper scored maximum points for its protection of pedestrians' legs. However, the front edge of the bonnet offered poor protection and scored no points. In those areas likely to be struck by the head of an adult, the bonnet offered predominantly poor protection.

Safety assist

The Spark is equipped as standard with a seatbelt reminder for the driver, front passenger and rear seats. Electronic Stability Control (ESC) is not currently available on any variant. Chevrolet advises Euro NCAP that ESC will become available on some variants during the course of 2010.