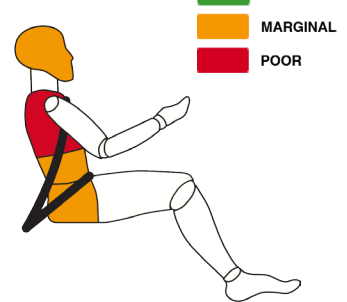


Renault Twizy 80

All-electric, 2 seat heavy quadricycle



FRONTAL 6.0 pts (of 16)



SIDE 7.0 pts (of 16)

Specifications

Seats	2
Power source	Electric motor
Kerb weight	474 kg
Maximum speed	80 km/h

Safety features

<i>Driver airbag</i>	
<i>Four point seatbelt (driver)</i>	
<i>Three point seatbelt (passenger)</i>	

Comments

Structure

The structure of the Twizy stood up well to the tests with little deformation in the front or side impacts. Rearward movement of the steering wheel was well controlled and it was apparent that the structure could cope with a more severe impact.

Restraints

The Twizy has an airbag and a four point seatbelt as standard. These worked correctly; the driver was well restrained in the frontal impact and protection of the head was good. However, owing to the very stiff structure and restraint systems, the dummy neck recorded dangerously high forces and protection of this part of the body was poor. The region in front of the driver's knees contained a lot of hard structures. The dummy recorded high values for knee and femur loading and protection was poor. In the side impact, the head of the dummy was exposed outside the structure of the vehicle, increasing the risk of dangerous head contact in real-world accidents, and the score was penalised. Much of the force on the dummy was deflected to parts of the dummy which do not reflect a real body and protection of the chest area was penalised. Combined with dummy readings which were marginal, protection of the chest was rated as poor.