

25 November 2013
Nippon Sheet Glass Co., Ltd

The world's thinnest ever windshield for Toyota's concept vehicle **at the Tokyo Motor Show**

Toyota Motor Corporation showcases its "i-ROAD", an ultra-compact mobility package, as the one of the world's premiere concept vehicles displayed at its Toyota exhibit at the 43rd Tokyo Motor Show. The show, being held at Tokyo Big Sight in Koto Ward, Tokyo, will run from November 23 to December 1.

The thinnest* ever glass used as a car windshield, manufactured by NSG Group, is fitted to this "i-ROAD". It is laminated glass, which consists of 2.0mm outer-thickness + (interlayer) + 1.0mm inner-thickness. In recent car development, lighter weight designs are of paramount importance from the viewpoint of CO2 emission reduction as well as energy-efficiency. Automotive glass is not exempt from providing savings. NSG Group has successfully developed a new thin windshield manufacturing technology with the aid of the latest computer simulation and processing expertise. Having satisfied the necessary quality elements, including transparency, in terms of automotive glass regulations in various countries, the new windshield used in this model approximately achieves a 23 percent weight reduction in comparison to existing standard product specifications.

*:Based on NSG's internally generated market research



(Photo provided by Toyota)
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