World First:
Development of black copper mesh touch sensor sheet using ultra-thin glass <G-Leaf™>

Nippon Electric Glass Co., Ltd. (Head Office: Otsu, Shiga Prefecture, President: Motoharu Matsumoto) has potential prospect for the development of black copper mesh touch sensor sheet using ultra thin glass <G-Leaf™> for electrostatic capacitance type of touch sensor. This is the world’s first development and will be displayed at Touch Taiwan 2016 starting today, at Taipei World trade Center Nangang Exhibition Hall.

The features of this black copper touch sensor sheet are as follows;

1. Clear visibility
2. Excellent electric properties
3. Suitable for large area of touch panel
4. High durability
5. Availability for cylindrical shape

Touch sensor sheet for electrostatic capacitance type of touch sensor.

SEM photo of black copper mesh

Special plating technology
(NEG development, Patent Pending)

Ultra thin glass <G-Leaf™>

Structure of touch sensor