
Announcement Regarding Technology Provision of Cellulose Nano-fiber Composite Resin Exhibited in Tokyo Motor Show 2019

Oji Holdings Corporation (President: Masatoshi Kaku, Head Office: Tokyo) announces that we have provided technology of cellulose nano-fiber (CNF) composite resin to Toyota Motor East Japan, Inc. (President: Kazuhiro Miyauchi, Head Office: Miyagi) exhibited in Tokyo Motor Show 2019 (open from October 24 until November 4 at Tokyo Big Sight, etc.).

We have tackled to increase further in size and improve moldability, based on “Development of Highly Functionalized Polycarbonate with Cellulose Nano-fiber ⁽¹⁾” released in March last year. This time we provided our technical achievement to Toyota Motor East Japan, a member of Nano Cellulose Vehicle Project ⁽²⁾ and the sample will be exhibited as “CNF composite resin glass,” applied in the actual automobile.

Since resin glass is lighter than inorganic glass, reduction of automobile weight is expected. This time further reduction of automobile weight will be expected due to significant thinning by reinforcing resin glass with CNF.

We will strive to continue development of CNF composite resin to achieve commercialization of this technology.



(Left: part for rear window, Right: part for roof panel [full size])

(1) News Release on March 15, 2018: “Announcement regarding development of highly functionalized polycarbonate with cellulose nano-fiber”

(2) A verification project of Ministry of the Environment, aiming to reduce the weight of automobiles and the amount of carbon dioxide emission during manufacturing and driving, by production, evaluation and verification of automobile parts through utilizing CNF, a plant-derived novel material.

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