

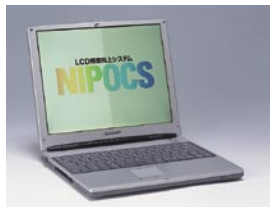
Environmentally Friendly Products

When we develop products, we naturally pursue comfort and convenience. In addition, we make much of the viewpoints of safety and the environment. We conduct environmental impact assessments on existing products as well and try to produce improvements to reduce the environmental impact.

Polarization conversion film for LCDs

Improved brightness on the screen contributing to energy saving.

Incorporated into the liquid crystal display (LCD) of PCs, mobile phones, etc., the film enhances the brightness of the screen by 50 to 60%, thus contributing to energy saving.



NIPOCS

Reverse osmosis membrane modules for seawater desalination

Dramatic improvement in desalination rate.

The membranes are semi permeable films which are hard to pervious to salt. By applying pressure, the membrane filters seawater and converts it into fresh water. Desalination rate was dramatically improved. Seawater is efficiently converted into drinking water or process water to satisfy the urgent water demand.



Reverse osmosis membrane modules for seawater desalination system

Double coated tapes

Double-coated tapes emitting less VOC.

Volatile organic compounds (VOC) cause sick building syndrome. The tape emits less VOC than the indoor concentration guideline value stipulated by the Ministry of Health, Labour and Welfare. Pursuing both adhesiveness and usability, the tape can be applied to a variety of surfaces including interior fittings, plastic materials, and metals.

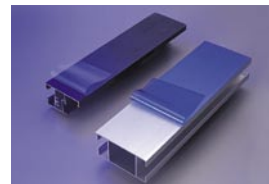


Double-coated tapes emitting less VOC

Surface protection film

Surface protection film containing no organic solvent.

The film is used to protect the surface of metal plates and aluminum sashes during transport or applying. The tape employs water-dispersible adhesives that do not use organic solvents.



Surface protection film containing no organic solvent

Halogen-free semiconductor encapsulating materials

Total elimination of halogen realized by a special flame retardant.

By employing a special metal oxide instead of a halogen-based flame retardant, halogen is totally eliminated from the manufacturing processes.



Halogen-free semiconductor encapsulating materials

Insect pest control sheets with agrochemical using entomogeneous fungi

Insect pest control with less impact on the ecosystem.

A new type of entomogeneous fungi using molds was commercialized first in Japan to refuse insects harmful to agricultural crops. As molds used are effective only for specific harmful insects, it exerts almost no influence on other living beings.



BIORISA

Assessment of product's environmental impact based on environmental ISO

Environmental impact assessment is conducted on existing products as well as new products.

Each Nitto Denko plant conducts an environmental impact assessment on both new and existing products based on the environmental management system.

For new products, an environmental impact assessment is conducted concurrently with a quality requirement check at the design review stage. It is stipulated that a new product cannot be commercially produced if the environmental impact

of the new product is greater than existing products.

For existing products, R&D sectors mostly conduct the assessment yearly. If the result indicates the environmental impact of the product is significant, it will be reviewed as an issue for the year. In fiscal 2004, for example, the base material of some products using vinyl chloride was changed to olefin to reduce the environmental impact.