

Environmental Conservation Activities

Environmental Contribution of Products

Through the systematic organization of our technologies into categories of, “basic technology”, “fundamental technology” and “basic function”, and the further deepening of our understanding of these technologies and improving of their functions by due consideration to the environment, the Nitto Denko Group has constructed a “Technology Platform,” which we constantly continue to build on and develop.

We combine the Technology Platform with advanced marketing to unearth needs in advance of the times, and at the same time cultivate technologies by applying our accumulated cutting-edge functions onto

sheets, films and adhesive compounds to produce unique function products which contribute to miniaturization, process reduction, electrical power saving and resource saving.

Directly or indirectly via the medium of customers' products our Group's function products anticipate the aspirations of customers concerned about the global environment, by actualizing environmental conservation and reduction of environmental load. Meeting the various demands of future society for environmentally-conscious products is a real possibility.

Development of Businesses Contributing to the Global Environment

Reduction of global environmental load through our customers' using Nitto Denko Group products

Flexible Printed Circuits Contributing to Miniaturization

Flexible printed circuits play an active role in folded parts and in product miniaturization. The Nitto Denko Group can provide circuits meeting detailed design specifications if consulted from the product design stage.



NIPOCS Contributes to Electrical Power Saving

By means of applying special films to create retroreflection NIPOCS converts absorbed and diffused light into utilizable light, thus reducing light loss as well as power consumed.



TEMISH® Capseal Useful in Simplifying Processes

TEMISH®, a generic term for polytetrafluoroethylene (PTFE) porous membrane manufactured by Nitto Denko Corporation, exhibits waterproof/dustproof functions while maintaining high air permeability. By compounding TEMISH® with molded products such as plastic or rubber, installation is simplified through the achievement of our “One touch” interlocking system while additionally reduction in number of parts becomes possible, resulting in reduction of total manufacturing cost.



Electrical Power Conservation by Polyimide Seamless Belt

Using our unique technology the Nitto Denko Group has precision-processed polyimide, which possesses superior characteristics of heat resistance, mechanical strength, electric characteristics and dimensional stability, into seamless belts. These highly-functional polyimide belts used for transfer/fusing parts of photocopiers and laser printers contribute to instrument miniaturization and power saving. The Nitto Denko Group has additionally wielded our synthetic technologies to synthesize high-intensity, high-durability polyimide resin and actualize maintenance-free products.



SWC5 Enabling High Permeate Flow through Low Pressure, Low Electric Energy

“SWC5” is a cutting-edge reverse osmosis (RO) filtration membrane for seawater desalination which actualizes a salt rejection of 99.8% as well as high permeate flow.



Recycling Promotion Center Prioritizes Recycling-oriented Resource Use

The Recycling Promotion Center processes waste plastic and so on generated from factories into pellets and plastic cores, which when re-utilized in tape products contribute to resource conservation.

