

Environmentally Conscious Products

When we develop products, we naturally pursue comfort and convenience. In addition, we make much of the viewpoints of safety and the environment. At the same time, we realize that we, as a business entity, can contribute to society by constantly creating new value and continuously offering that value to society. (*indicates that it is a 'Global Niche Top' product)

Polarization conversion film for LCDs*

Extending the battery life by enhancing brightness

Incorporated in the liquid crystal display (LCD) of PCs and mobile phones, the film enhances the brightness of the screen by 50 to 60%. If you maintain the brightness as usual, it extends the battery life by approximately 30%, thus contributing to energy saving.



Nipocs

Saving resources and energy

Heat-resistant barcode label*

The first lead-free, heat-resistant label to over 400 degrees Celsius

The base material of the label is silicone, and it does not contain lead. Used mostly in controlling the heat treatment process of glass and metal; the label can be used within the range from room temperature to 800 degrees Celsius.



Duratack S40H

Conservation of the natural environment

Toner transfer belt

Reducing the heat load on the heater and contributing to energy savings

Polyimide is superior in heat resistance, strength, and insulation performance. The polyimide processed by Nitto Denko has a smaller thermal capacity than metals and thus reduces the load on the heater if it is used for the fixing rolls of copying machines.



Polyimide seamless belt

Saving resources and energy

Thin layer foam sealing material

The world's first foam sealing material that does not include halogen

No plasticizer is used in the production process. The generation of outgas (molecular pollutant) is extremely limited; and no influence is expected on electronic devices.



Super Clean Foam

Conservation of the natural environment

Floor protection tape

Protecting tape that does not include halogen material

The tape does not include halogen material. The generation of hazardous gas is extremely limited when incinerated after use. As it does not use lead or other heavy metals, it does not emit hazardous substances nor contaminate the soil when it is buried.



No. 395 (color of cherry blossom)

Conservation of the natural environment

Pest trap with pheromone lure

Environment-friendly insect pest control

Being a system to capture harmful insects utilizing artificially compounded sex pheromones, it is more and more widely used as the safe and environment-friendly insect pest control.



Nitolure

Conservation of the natural environment

Surface protection films for automobiles*

Adopting material that does not emit hazardous gasses when incinerated

Until the finished cars are distributed to consumers, the protection film protects the paint from acid rain, dust, bird droppings, rebound stones, etc. No adhesive is left on the surface after the film is peeled off. The film is made from olefin material that does not emit hazardous gasses when incinerated.



Surface protection film for automobiles

Conservation of the natural environment

Product assessment based on environmental ISO standards

Our principle: Where there is no environmental evaluation, no new product is born.

Product assessment is conducted as a design review at the stage when the development and design departments create a new product development plan. Here, the environmental effects when a new product is completed (including when it is produced as well as distributed, used, or discarded after shipment) are assumed and compared with the existing product.

It is prescribed that if the evaluation of the new product is lower than the existing one, it cannot be produced as a finished product unless measures are taken to reduce the environmental impact.

Examples of the evaluation items are as follows:

Evaluation when it is produced

1. Energy required for production
2. Amount of organic solvents consumed
3. Amount of industrial waste generated in the production process

Evaluation after shipment

1. Energy required in the distribution/transportation (gasoline, etc.)
2. Energy and packing materials required for storage and use by a direct user
3. Method of disposal by the final user (combustion, landfill or recycling)