



PlanetFlags™ / HumanFlags™ is a recognition scheme established by the Nitto Group to promote the implementation of its sustainability materiality issues.

It evaluates products and services from the perspectives of environmental and human contribution and identifies those making a particularly significant contribution to solving social issues.

In addition to product evaluation, this recognition is utilized in the selection of future research and development themes, accelerating the creation of both social and economic value.



Providing solutions for decarbonization and material-circulation solution

SPV "CGP Series" for Low-E glass protection



Promoting the adoption of large-size, high-performance Low-E glass to contribute to the spread of highly insulated buildings



Life cycle CO₂ emissions:
20% reduction

Achieved stable production of Low-E glass for commercial buildings

Electric Debonding Tape for Battery Bonding



Making battery removal easier and reducing manufacturing losses



Life cycle CO₂ emissions: more than 50% reduction

※The calculation of CO₂ emissions includes reductions achieved through battery recycling.

Harness Protection PVC Tape



The tape that combines thinness and abrasion resistance, contributing to vehicle weight reduction



Life cycle CO₂ emissions:
46% reduction

Mobility weight: -1.3kg per vehicle ※Calculated using data for the car model. The reduction rate differs depending on the car model.

Energy-Saving NF Membranes for Municipal Drinking Water



High-efficiency filtration technology reduces energy use in water purification



Life cycle CO₂ emissions:
24% reduction

Providing safe and clean water to drink

Solid Support for Oligonucleotides Synthesis (NittoPhase™)



Reducing environmental impact in the manufacturing of nucleic acid drug raw materials through zero-emission technology



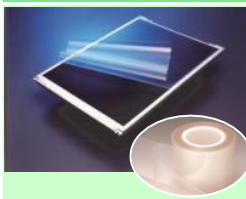
Life cycle CO₂ emissions:
24% reduction

Manufactured at a zero-emission factory that does not use fossil fuels

Protective Film for OLED Display Panel Shipment (E-MASK™)



Use internationally certified recycled PET to reduce environmental impact



Life cycle CO₂ emissions:
21% reduction

Sustainable material usage rate: 62%

Double-Sided Tape for Fixing Interior Panels



Glue-free solution for environmental benefits and easier construction



Life cycle CO₂ emissions:
60% reduction

Improves work efficiency on site

RO Membranes for ZLD [Zero Liquid Discharge]



Contributing to the circulation of water resources through wastewater reuse



Life cycle CO₂ emissions:
63% reduction

Promoting reductions in water usage through the reuse of factory wastewater



Providing nature-positive products

YU-KI BAN EasyCut



Reducing environmental impact through the elimination of solvents while maintaining gentleness on the skin



Life cycle CO₂ emissions:
52% reduction

Reduces the burden on the skin during removal

Low VOC Double-Sided Tape



Anti-Reflection Film for Automotive Displays



Not using fluorinated solvents and achieving high performance



Life cycle CO₂ emissions:
58% reduction

Amount of solvent containing fluorine used:
98% reduction

Providing solutions for decarbonization and material-circulation solution

COLOCOLO High Grade Easy-Peel [Upcycled]



Eco-friendly COLOCOLO upcycled from Industrial waste



Life cycle CO₂ emissions:
87% reduction

Give industrial waste a second life instead of disposing of them after one use

Recycled PET Adhesive Tapes



Packaging tape made with recycled PET



Life cycle CO₂ emissions:
56% reduction

Giving used PET a second life

COLOCOLO eco



Bio Based Adhesive Tape with Recycled Films



Sub-Gasket Products for Fuel Cells of Commercial Vehicles





Providing products that support Sound and healthy life

Solid Support for Oligonucleotides Synthesis (NittoPhase™)



Contributing to the development and manufacturing of next-generation pharmaceuticals



Contributes to the production of nucleic acid therapeutics with high purity and high yield

Supports a wide range of nucleic acid types, contributing to the development of new nucleic acid therapeutics

Diaper Waistcuff Elastic Components for Leak-Proof Pocket



Combines safety through a non-adhesive design with excellent fit and leakage prevention



Prevents diaper leakage and supports babies and families

For baby-friendly, non-adhesive, chemical-free diaper components

YU-KI BAN EasyCut



A tape that is gentle on the skin, minimizing stripping of the stratum corneum, with added hand-tearability



Provides reliability during daily use, such as when securing gauze or tubes

Features easy-tear properties to improve workflow for healthcare professionals

Diaper Elastic Components



Offers safety with a non-adhesive design and superior fit



For baby-friendly, non-adhesive, chemical-free diaper components

Eliminates adhesive odor in diapers with a non-adhesive design

Contract Manufacturing for Bulk Oligonucleotide Therapeutics



Medical Films



Providing products that ensure Comfort and security of life

COLOCOLO FLOOR CLEAN



COLOCOLO that can be used on a variety of flooring materials, from wood to carpet



Contributing to clean living in a diversifying living environment

The unique two-layer adhesive coating enables high dust-capturing performance, supporting a comfortable lifestyle

Insulation Paper for EV Motors



High electrical insulation properties, used since the early days of HEV motors



Contributing to the evolution and spread of EVs



High electrical insulation for improving motor performance

COLOCOLO MITE CLEANER



A specialized mite catcher COLOCOLO that contributes to a clean-living environment



The unique three-dimensional adhesive structure traps mites and contributes to a healthy lifestyle

Supports a safe lifestyle without using insecticide or repellent ingredients

Thermal Conductivity Insulation Sheet for Inverters



Combining Insulation and Heat Dissipation Contributing to Energy Savings in Home Appliances



Helping solve energy supply challenges

Supporting comfortable living with energy-efficient air conditioning



Providing products that promote digital society

DAF for Memory sDBG Dicing process



Supporting high-density memory stacking and contributing to the advancement of the digital society



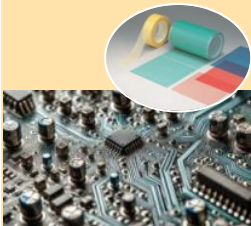
Contributing to the mass production of 3D-NAND

Bonding technology that supports multi-layer chip stacking

Thermal Release Sheets (REVALPHA™)



High adhesion and easy removal to improve manufacturing efficiency



A high-performance sheet that can be peeled off with heat on demand

Contributing to the streamlining of the manufacturing process for electronic components

Thin-Film Metal Base Board (CISFLEX™)



Contributes to the advancement of the digital society



Essential for HDDs, which account for the majority of storage media in data centers

Enhancing convenience for people in a smart society

Optical Films for VR



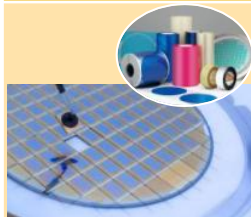
Advanced Circuit



Wafer Protection and Fixing Tape (ELEP HOLDER™)



Unique adhesive technology enables semiconductor bonding with minimal adhesive residue



Contributing to the industry as a standard method for semiconductor back-end processing

Supports a wide range of semiconductor processes with significant variation

Electric Debonding Tape for Battery Bonding



Realizing the Right to Repair for smartphones and other devices



Contributing to easier battery removal

Supporting DIY-Repair of smartphones and other devices

Highly Durable Polarizers for Automotive Displays



Contributes to automotive safety through high durability and a wide viewing angle



Enhances automotive safety through high durability

Supports multi-display integration and larger screen sizes with wide viewing angles

LUCIACS™ for Automotive Displays



Contributes to improved visibility in automotive displays



Enhances automotive safety through high durability

Improves display visibility by preventing color shift at high temperatures

Glass Anti Scattering Film for Automotive Displays



**Providing products that ensure
Comfort and security of life**