

MB Products

Energy-saving Conveyor Belt (Ecotex)



Ecotex in use at a limestone mine in Japan

Yokohama Rubber is developing an energy-saving conveyor belt called "Ecotex" that reduces the amount of power required by the motor to drive the conveyor belt by drastically lowering the resistance encountered when the belt passes over the rollers. A range of models is available for both long and short to medium-distance use, and reductions in power consumption of 30% and 25% have been achieved in long-distance use and short to medium-distance use respectively.

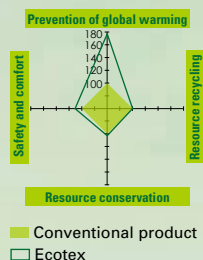
Air Cushion for Preventing Wheelchair Pressure Sores (Medi-Air)



Two types with different heights of air cell are available, giving users a choice according to their level of disability and symptoms.

The Medi-Air is a type of air cushion equipped with a sensor that was developed by Yokohama Rubber to prevent wheelchair pressure sores. Due to the concentration of the user's upper bodyweight on the ischial tuberosity, wheelchair use is considered more likely to cause pressure sores than lying in a prone position. When the Medi-Air cushion is placed on the seat of the wheelchair, a sensor detects when the user sits down and causes air to be automatically injected, raising the seat and preventing pressure.

Assessment of environmental functions



Looking 5 to 10 years ahead when developing technologies



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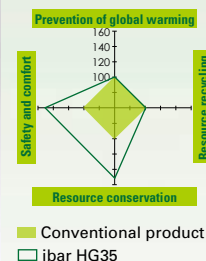
The present rise in petroleum prices make rapid change almost inevitable, leading to the advent of a resource recycling society that is less dependent on fossil fuels. Looking 5 to 10 years ahead, we will see clean energies such as fuel cells and solar cells spread rapidly and material recycling become commonplace. The MB Group boasts world-class technologies in the fields of adhesives and metal processing, and we intend to share and apply these elemental technologies in all divisions of the MB Group.

High-pressure Hydrogen Gas Hose for Hydrogen Refueling Stations (ibar HG35)



ibar HG35 high-pressure hydrogen gas hose

Assessment of environmental functions



The ibar HG35 is a high-pressure hydrogen gas hose developed jointly by Yokohama Rubber and Iwatani Industrial Gases Corporation for use at hydrogen refueling stations that supply hydrogen as fuel for fuel cell vehicles, which are expected to become increasingly widespread in the future. Compared with conventional resin hoses, ibar HG35 offers better permeation performance, handling, and durability, and can be used at 35MPa-class stations.