

## Supply of green products

← P12 CSR Policy ② ⑤

### ● Raising the ratio of green product registration\*

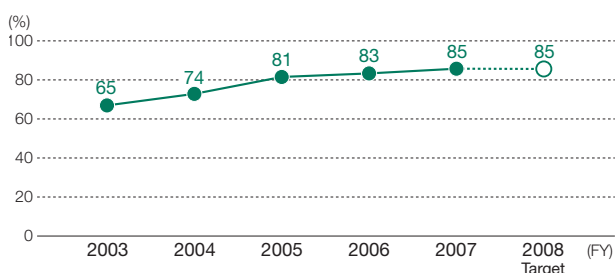
2007 Result: Registration ratio: 83% (Target: 85%)

2008 Target: Registration ratio: 85% and above

Since 1999, the Hitachi Chemical Group has been conducting Green Product Assessment to reduce the environmental impact of products at each stage of their life cycle. Led by the Green Product Development Promotion Committee, we assess our products during design, testing and mass production processes, based on eight criteria designated for individual product types.

In fiscal 2007, the ratio of green product registration

#### Ratio of green product registration (consolidated)



reached 86% on a non-consolidated basis and 85% on a consolidated basis.

In fiscal 2008, we will continue our efforts to develop products that reduce environmental impact across their entire life cycle.

\* **Ratio of green product registration:** Ratio of the sales of green products against total sales excluding products that do not allow for our own voluntary environmental consideration (customer specification products, OEM products, purchased products, etc.). The same definition was given as the ratio of green product sales in the fiscal 2007 report and earlier.

### ● “Environmental Efficiency” index

Since fiscal 2005, the Hitachi Chemical Group has adopted an “Environmental Efficiency” index to measure product value created while controlling environmental impact and resource consumption.

The “Environmental Efficiency” index evaluates product value based on function and lifespan using two measures. The first, global warming prevention efficiency, is the ratio of a product’s value to greenhouse gas emitted during its life cycle; and the second, resource efficiency, is the ratio of a product’s value to consumed resources in production and the waste remaining when disposed of. This objective assessment has promoted environmental consideration by our developers and designers, and we have analyzed 25 products as of fiscal 2007.

In addition to environmental efficiency, we will introduce life cycle assessment (LCA) to material products in fiscal 2008 for quantitative assessment of environmental performance of developed products to further reduce their environmental impact.

## Examples of green products

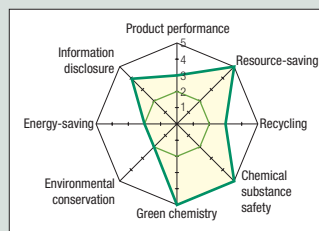
### ● Epoxy Molding Compounds CEL-HF Series

Epoxy molding compounds are black plastic material used to protect semiconductor chips against damage from water, heat, shock, etc.

CEL-HF Series is superior in heat resistance, humidity resistance and fire retardancy without using halogen/antimony flame retardants, which are environmentally hazardous substances.



CEL-HF Series



### ● Engine parts for four-wheel vehicles (Hitachi Powdered Metals Co., Ltd.)

Hitachi Powdered Metals Co., Ltd. provides engine parts created by pressure forming of metal powder such as iron and copper.

By supporting multiple functions while at the same time being lightweight and resilient, the company’s products improve automobile gasoline mileage and resource savings.



Engine parts for four-wheel vehicles

