

ZEON Group (Japan)

Zeon Kasei Co., Ltd.

Introduction to Zeon Kasei Co., Ltd.

Zeon Kasei Co., Ltd. was established in 1981 from the “Manufactured Products Division” of Zeon Corporation. As the core company in the category of manufactured products within the ZEON Group, Zeon Kasei has developed by business expansion of “Plastic Compounds”^{*1}, “Packing Materials,” “Housing Materials,” “Films,” “Thermal Conductive Sheets,” “Deodorants” and “Logistics Materials.” As part of our global strategy, in Feb. 2012 we established a factory for “Powder Compounds for slush molding”^{*2} in China, which started commercial production in July. Furthermore, we launched a Vietnam plant for “STEC™,” distribution container for synthetic rubbers, in 2013.



President Yoshiro Ogura

Based on the keywords “Ecology” and “Amenity,” we continue contributing to society in various fields.

*1 Plastic Compounds

Molding materials composed of plastic resin, colorants and other additives.

*2 Powder Compounds for slush molding

Powder compounds for one of the production methods for soft and thin skins, particularly for car interior or toys



Zeon Kasei's Yamaguchi Plant



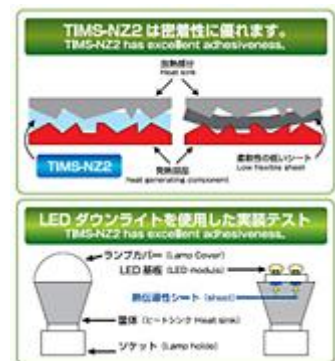
Zeon Kasei (Changshu) Co.,Ltd.

Environmental and Safety Activities

1. Saving Energy with our Products

In February 2012, a major consumer electronics manufacturer adopted our high-thermal-conductivity sheet for its LED lamps. Since then, the number of companies employing our sheets has been increasing. LED lighting, which consumes little electric power, is gaining attention as a key solution for saving electricity.

Dissipating the heat that LED lamps create is crucial to realizing their energy-saving benefits. Our high-thermal-conductivity sheet was adopted in recognition of the superb balance it achieves between various properties, including lateral cooling performance (at a right angle to its exterior and interior surfaces), flexibility, and adhesiveness. We expect the application of this product to expand since heat dissipation solutions are needed not only in lighting but in a wide range of applications from electronic devices to automotive parts.



2. Reducing Waste in Our Operations

From fiscal 2012, we grew a green curtain at the office building of the Ibaraki Factory as a part of our summer energy conservation measures, which we also implemented at the Yamaguchi Plant in fiscal 2013. We planted bitter melon and Ryukyu morning glory in planters and tended them with care. We are reducing our air conditioner usage and therefore our power consumption as the green curtain shades the building from the sunlight. In addition, caring for the plants helped raise employee consciousness of saving electricity and also their eco-awareness.

Moreover, at Zeon Kasei, we are abiding by our zero landfill goal, which we implemented at all of our factories in April 2011.



Green curtain at Ibaraki
Factory

3. Environmental Data

Zeon Kasei Co., Ltd. Ibaraki Factory		FY2009	FY2010	FY2011	FY2012	FY2013
Substances covered by PRTR law	Number of substances	5	7	7	8	7
	Consumption (tons)	70	95	61	40	35
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	530	648	529	446	478
	Amount sent to landfill (tons)	95	69	0.0	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption (1,000 m ³)		22	34	41	30	29
CO ₂ emissions (tons)		3,309	4,257	3,845	3,283	3,723
Energy consumption (crude oil equivalent, kL)		1,992	2,328	2,191	1,807	1,875

Zeon Kasei Co., Ltd. Yamaguchi Factory		FY2009	FY2010	FY2011	FY2012	FY2013
Substances covered by PRTR law	Number of substances	3	3	3	3	3
	Consumption (tons)	0.0	0.0	0.0	0.0	0.0
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	187	99	91	57	91
	Amount sent to landfill (tons)	0.0	0.0	0.0	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption (1,000 m ³)		0.2	0.2	0.2	0.2	0.3
CO ₂ emissions (tons)		213	231	412	416	410
Energy consumption (crude oil equivalent, kL)		105	94	147	151	155

Activities with the Local Community

1. Participating in the Bando City Cherry Blossom Festival

Ibaraki Zeon Kasei participated in the 5th Bando City Cherry Blossom Festival organized by Bando City on April 5 and 6, 2014.

The cherry blossom bloomed early in fiscal 2013 so the festival that year was held when the trees were in leaf. This year, however, the trees were in full bloom, and the both days were full of activity. We will also support this festival next year as we try to strengthen local connections.



Cherry blossom at Sakasai Castle in Bando



Cherry Blossom Festival

2. Participating in the Tokyo Station Regional Joint Patrol

The Zeon Kasei Head Office has been participating in the joint patrol of the area surrounding Tokyo Station since November 2012 as a ZEON Group initiative. We collected garbage in the area surrounding Tokyo Station in April, September and the following February, making a total of three times in fiscal 2013. The garbage bags were completely filled after just one hour as a lot of garbage had been dropped in the middle of the streets, including plastic umbrellas and cigarette ends. We will continue to participate in this activity while we hope for manners to improve.



Tokyo Station Regional Joint Patrol