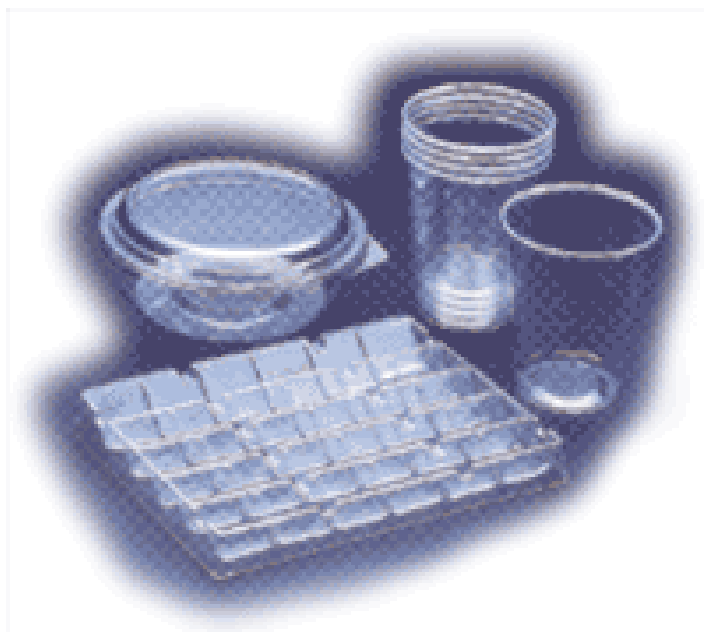


Sept./2011

Japan PET Tray Association



7-8,koami-cho,chuo-nihonbashi,Tokyo,
Japan 103-0016

Tel : 0081-3-5614-6566

Fax: 0081-3-5614-6825

URL <http://www.pettray.jp>

Email info@pettray.jp





About us

To establish the hygienic safety of PET tray, to investigate the waste problem, Japan PET Tray Association was established.

The resin supplier, the sheet supplier, and the tray molder of 50 companies are participating in the PET Tray Association.

Role and Action of our association

1, Investigation

- ✓ We investigate the hygienic safety of the additive, the polymer, and post-consumer recycled PET from beverage bottles.
- ✓ We feed back the investigation result to members, and announce them to public.

2, Planning of the restriction standard

- ✓ The self-restriction standard concerning the hygienic safety of the PET sheets and the PET trays, is settled on our association.
- ✓ We support quality assurances concerning the hygienic safety on A-PET articles, because food-contact PET trays made from PCR must conform to “Food Sanitation Law(MHLW)”.



Japan PET Tray Association

The Members of PET Tray Association

Virgin Resin	PCR-PET Resin Processers	Sheet Suppliers	Container suppliers#	Article suppliers
Mitsui Chemicals	Utsumi Recycling Systems	Mitsubishi Chemical	Risu-pack	Kashiwagi Mold
Toyota Tsusho	All Waste Recycle	RP Topla	Chou Chemical	Yoshimura Kasei
Itochu Tradings	Nishinohon PET Bottle Recycling	Toyobo	Efpico Corp.	Kitahara Industry
Nagase & Co	Kyouei Sangyo	Teijin Chemicals	Sekisui Plastics	Kobayashi & Co
(Eastman Chemical)	Reco	OJk	Hurubayashi Shiko	Kouyo Sangyo
Mitubishi Plastics Trading		Polytech	Yamato Eslon	Umeda Vaccum Pack
Iwatani Sangyo		Utsumi Recycling Systems	Athena Kogyo	Chuokasei
Tsukasa-petco		Reco	Nishiyori	Akamatsu Kasei
			Tohmei Chemical	Masuyama Kasei
			Diyafoods	Fukusuke Kogyo
				Bespack
				Niohn Pacaging
			#They have sheeting lines.	Takeuchi Sangyo

Assistant Members: Japan PET Bottle Association



Usage of Amorphous PET Sheet & Tray

In Japan, Amorphous PET film and sheet are applied to food trays, lids, cups, domes, clamshells, partition-trays and also clear-cartons, blister-packs, stationary goods, carrier tape for IC chip and etc. The total consumption is about 250,000 tons par year.

An environment friendly PET trays are used as a container for wrapping a familiar commodity for us.

Feed Packaging

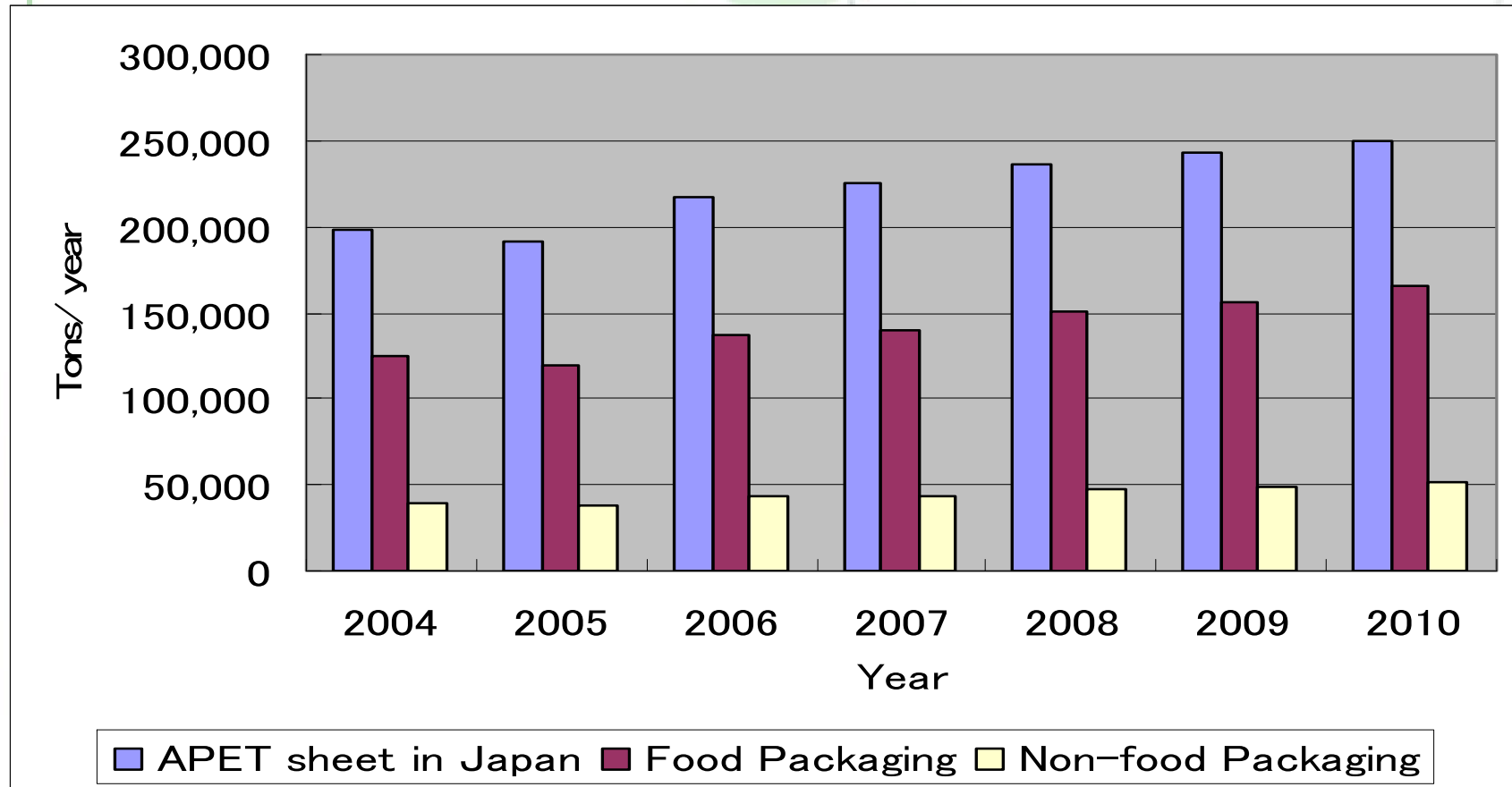


Clear Carton Case Blister Packaging



Market of A-PET sheet and Packagings in Japan

The market growth of A-PET in Japan



PET Recycling System from Bottle to Tray in Japan

37% of the PCR of PET bottle is recycled for the tray usage. However, the reproduction PET which is not confirmed to hygienic safety, cannot be used for the tray for the food packaging. Therefore, the self restriction standard is settled on in Japan PET Tray Association, and the maintenance of the hygienic safety of the product is advanced by Japan PET Tray Association.

The substance of the self-restriction standard

1, Source control

Post-consumer PET bottles, which is collected by administration by Law
The Containers and Packaging Recycling Law in Japan (METI)

2, Management system of recycling process

Specified mechanical process containing alkali washing system.

3, Management system of use condition

Functional barrier ; In-direct food contact
Usage limitation

4, Traceability of the recycling product

The safety of the tray is examined in the official laboratory.

The mark and the descriptions of Japan PET tray association must be displayed on the articles which are made from PCR PET bottles.



Japan PET Tray Association

Management and Traceability of amorphous PET trays made from PCR

Classification and Description

Layer structure and Raw material		Display description	Usage
Mono-layer	V1:Virgin Resin	V1	All foods
	R2:PCR Resin	R2	Non foods
Mulch-layer skin/core/skin	Skin layer : V1_Virgin Resin Core layer: R2_PCR Resin	V1/R2/V1	With Shell or Skin foods (Eggs, Vegetables and Fruits) Prior to cutting or cooking

The product was distinguished by putting the mark to the articles. It is possible for the consumers to judge clearly the classification.





**The consumption of
post-consumer recycled PET bottles in Japan
For Amorphous PET articles (Jan.~Dec. 2009)
in next page**

Articles	Consumption (tons)	Remarks
Food Packagings		
Clamshells for egg	28,000	
Partition for Fruits	2,700	In corrugated cartons
Mashroom trays	3,100	
Strawberry trays	3,100	
Fruit trays	5,550	
Containers in supermarkets	8,400	For fruits & begetables
Sub-total	<u>51,050</u>	
Packed Food Packaging		
Lids for packed foods	300	Coffee drinks, Yogrui ,fruit juice
Trays for packed sweets	900	
Partitions for Cup noodle	1,800	In corrugated cartons
Partitions for Canned beer	100	In corrugated cartons
Sub-total	<u>3,010</u>	
Non- Food Packaging & Other Applications		
Blister packaging	8,300	Audio, cosmetics, cells, appliances & etc
Trays for electronic devices	6,600	
Clear cartons, stationaries	2,040	
Sub-total	<u>16,940</u>	
Grand Total	<u>71,000</u>	



Japan PET Tray Association