

[Attached Table 1]

Standard of ease of packaging material, structure and recycling

Basic Principles

A. In order to facilitate the recycling of packaging materials, it is necessary to specify necessary matters concerning the material, structure and ease of recycling of packaging materials to be obeyed by the recycling obligation producer

B. By analyzing the effect of each item on recycling by classifying the constituent items (body, label, plug and hand materials, etc.) according to the function and form according to the material of the packaging material, the criteria of ease of material, structure and recycling are set

Evaluation Criteria

A. According to the material and structure detailed standards for each packaging material, it is classified into "excellent material / structure that is easy to recycle" and "material / structure which is difficult to recycle"

B. The grade of "excellent material and structure that is easy to recycle" in the category is applicable to any of the criteria of "material / structure difficult to recycle" when it meets all the criteria of "material / structure easy to recycle" If not granted

C. The grade of "material / structure difficult to recycle" in the category is given when it falls under any of "material / structure difficult to recycle"

D. In the case of priorities such as "best material and structure that can be recycled easily" and "priority 2", it is recommended that the structure corresponding to the first rank be classified as "the best material and structure"

Recyclable materials and structures(Excellent recycling)	Materials and structures that are difficult to recycle(Recycling difficult)
Rank 1/2	

※ If it is not classified as "excellent material / structure that is easy to recycle" or "material / structure that is difficult to recycle", it is classified as "material / structure that can be recycled"

Detailed criteria for material / structure improvement for each packaging material

1. Carton packing material

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none"> • Transparent film coating / barrier structure 	<ul style="list-style-type: none"> • Aluminum composite structure • Uses non-bleached pulp
Cap and the others		<ul style="list-style-type: none"> • Plastic stoppers or forming structures that are difficult to separate

2. Glass bottle packaging material

구분	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none"> • Soda lime material • Colorless, brown, green color 	<ul style="list-style-type: none"> • Material other than soda lime • Colors other than colorless, brown, and green ¹⁾
label	<ul style="list-style-type: none"> • Detachable label <p>1st place: non-adhesive</p> <p>2nd place: Label using water-soluble adhesive</p>	<ul style="list-style-type: none"> • Adhesive applied to the front of the label • Print directly on the body (not including shelf life and date of manufacture) or surface coating
Cap and the others	<ul style="list-style-type: none"> • Cap and hoop integral structure • Detachable cap 	<ul style="list-style-type: none"> • Metal cap with synthetic resin • Cap-and-hoop detachable structure • The others by Cork, metallic materials (except plug) • Other non-separable caps and the others

¹⁾ Wine bottles, etc., dark green close to black, but also include common non-green · brown color

3. Metal can packing material (canned steel)

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none">• Metal can	<ul style="list-style-type: none">• Soldering cans
label	<ul style="list-style-type: none">• Print directly on the body	
Cap and the others	<ul style="list-style-type: none">• Metal cap and the others	

4. Metal can packing material (aluminum can)

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none">• Metal aluminum cans	<ul style="list-style-type: none">• Composite materials other than aluminum
label	<ul style="list-style-type: none">• Print directly on the body	<ul style="list-style-type: none">• Label of material different from body
Cap and the others	<ul style="list-style-type: none">• the same material as the body	<ul style="list-style-type: none">• Cap and the others made of material different from the body

5. General foam synthetic resin¹⁾ single / composite material packaging material

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none"> • White single material 	<ul style="list-style-type: none"> • Composite material structure • Integration and combination with other materials • Color other than white
label, Cap and the others	<ul style="list-style-type: none"> • Same material as body 	<ul style="list-style-type: none"> • Print directly on the body²⁾ • A label of a different material than the body • PVC-based material labels

¹⁾ Foamed synthetic resin refers to foamed polystyrene (EPS), foamed polypropylene (EPP), foamed polyethylene (EPE) single composite material, foamed synthetic resin single composite material buffer.

²⁾ Good recycling for partial printing (a requirement to be marked on the label)

6. Polystyrene paper (PSP) packaging material

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none"> • Single white material 	<ul style="list-style-type: none"> • Composite material structure • Integration with other materials and combinations • Colors other than white
Label, cap and the others	<ul style="list-style-type: none"> • Easy-to-separate label, stopper, the others • 1st rank: Same material as the body • 2nd rank: Cap and the others are made up by other material, Easy-to-separate 	<ul style="list-style-type: none"> • Print directly on the body ¹⁾ • Label of material different from the body • PVC-based material labels and the others

¹⁾ Good for recycling in case of partial printing (the indispensable matter to be indicated on the label)

7. PET bottles

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none"> • Colorless single Material 	<ul style="list-style-type: none"> • Glycol-modified PET resin (PET-G) material • Colors other than green in single-material PET bottles (except green for bottled water and beverages) • Colors other than brown in composite PET bottles • Structure by adhesion and fusion with other materials (composite material)
label	<ul style="list-style-type: none"> • Structure that enables consumers to easily remove 1) • Synthetic resin material with specific gravity less than 1 1 ranking: noncontact (dot) tackiness 2 ranking : Using thermal alkaline separating adhesive 2) 	<ul style="list-style-type: none"> • Synthetic resin material with specific gravity of 1 or more • Uses adhesives that are not thermally alkaline separable • Print directly on the body (excluding the shelf life and date of manufacture) • Use of PVC, paper labels, metal contamination labels
Cap and the others	<ul style="list-style-type: none"> • Synthetic resin with specific gravity less than 1 • Colorless PET Single Material 	<ul style="list-style-type: none"> • Synthetic resin with specific gravity of 1 or more (excluding colorless PET single material) • Cap and the others except synthetic resin· PVC stoppers and bags • Silicone, rubber, metal materials

1) Improved ease of separation in the form that can be introduced according to the label type, such as 2 heat-perforated lines, removal of guideline and unfilled edge when applying adhesive

2) Thermal Alkali Separating Adhesive refers to an adhesive that separates in response to a certain temperature (85 ~ 90 °C) and sodium hydroxide (2%) during recycling.

8. Synthetic resin single material container, tray type packaging material (except PET bottle, foam synthetic resin)

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none"> • Single Material ¹⁾ • Non-black color 	<ul style="list-style-type: none"> • Material of PVC series • Material other than synthetic resin
Label, cap and the others	<ul style="list-style-type: none"> • Print directly on the same material or body as the body 	<ul style="list-style-type: none"> • PVC-based material labels, caps and the others • Material labels, caps and the others, materials other than synthetic resin • Labels, caps and the others of material different from the body, which can not be detached from the body

¹⁾ PE and PP containers may contain other plastic materials within 5% of body weight.

9. Composite materials Containers and trays and single and composite materials Film and sheet packaging materials (excluding PET bottles and foamed synthetic resins)

	Excellent material and structure that can be easily recycled	Materials and structures that are difficult to recycle
body	<ul style="list-style-type: none"> • Synthetic resin single material film / sheet • Synthetic resin composite material (including aluminum deposition) 	<ul style="list-style-type: none"> • Use with materials other than synthetic resin • Use of PVC materials
Label, cap, the others	<ul style="list-style-type: none"> • Print directly on the same material or body as the body 	<ul style="list-style-type: none"> • PVC-based material labels, caps and the others • Labels, caps, and the others of different materials from the body.