



TAIRIPURE

Non-toxic, Eco-friendly, High Transparency and low melting point pellets for injection molding.



TAIRIPURE Complies with ASTM D7611 Plastic Recycling Standards

Can be Labeled as RIC 1 (PET) Recyclable Material, and can Pass the Automatic Dishwasher Cleaning Test at 75°C for 10 cycles.

- ✓ The Material is Safe, Hygienic, Eco-friendly, and Non-toxic—Free of BPA, Carcinogenic Monomers, and Plasticizers.
- ✓ Passed the Household Automatic Dishwasher Cleaning Test at 75°C for 10 Cycles.
- ✓ Complies with Plastic Recycling Standards RIC-1 (PET).



Model number	Catalysts	Appearance	Crystallinity	L*	b*	Maximum thickness	Plastic recycling type
6ES05	Precious Metals	High Transparency	Semi-crystalline	73.95	0.04	9mm	
6ES06							
6ES02	Precious Metals	High Transparency	Non-crystalline	72.85	-1.53	unlimited	

PHYSICAL PROPERTIES & MECHANICAL STRENGTH

Properties	Subject		Unit	Standard	6ES05	6ES06	6ES02
PHYSICAL	Melting point		℃	—	226	226	N/A
	Specific gravity		g/cm ³	—	1.39	1.39	1.38
	Shrinkage		%	—	0.85	0.85	0.75
MECHANICAL	Flexural strength		MPa	ASTM D790	90.4	95.2	92.4
	Flexural modulus		MPa	ASTM D790	2,271	2,414	2,463
	HDT (1.8 MPa)		℃	ASTM D648	68.6	69.4	64.0
	Izod impact test (room-temperature 23℃)	Notched	kg-cm/cm	ASTM D256	3.79	3.70	3.40
		Unnotched	kg-cm/cm	ASTM D256	unbroken	unbroken	unbroken
	Vicat softening temperature		℃	ASTM D1525	71.3	76.1	70.6
Pass the household automatic dishwasher cleaning test for 10 cycles.			℃	—	65	75	—

FEATURE DESCRIPTION

BPA Free

Dishwasher

Plasticizers Free

Carcinogenic Monomers

Cosmetic Container

Recycling Standards RIC-1 (PET)

APPLICATIONS

Cosmetics Thick-walled Bottle and Transparent Food Containers.



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NAN YA PLASTICS CORPORATION



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