



PET

Polyethylene Terephthalate

Overview:

PET door is made of 3/4" (19mm) thick MDF board, with PET laminate on the exterior and melamine laminate on the interior, ABS banding of matching color on all edges. PET film coating uses imported raw materials and colorants, which comply with the US FDA food contact certification and medical-biological testing standards, making it safer and healthier.

Product Specification:

Core material	EPA title VI compliant medium density fibreboard
Coating finish	0.45mm PET (polyurethane terephthalate) laminate
Back finish	0.02mm white melamine laminate
Edge banding	1.3mm PVC edge banding with matching color
Features	Moisture resistance, acid and alkali tolerance High glossy & vivid color finish Easy to clean Antibacterial, safe for direct food contact. Never fades, no color difference between any doors.

Environmental performance:

- The product complies with EU REACH, ROHS, and PAHS certifications
- No soluble heavy metals and harmful substances detected
- Meets US FDA food contact standards
- Passes all medical biology testing standards
- Passes over 200 SGS toxic and harmful tests
- During the production process, no three wastes are generated
- Biodegradable and does not release toxic substances during combustion

Physical & Chemical Properties:

- The hardness of PET reaches HB and the surface is resistant to friction and scratches;
- Surface resistance to cold and heat, dry heat, and yellowing;
- Surface chemical resistance and resistance to liquid media;
- Surface pollution resistance;
- Strong tensile strength and impact resistance;
- Dual insurance with natural adhesion genes and back coating treatment;



- Integrated extrusion molding with no risk of delamination;
- There is no possibility of color fading

ANTI-STAIN TEST of PET DECO foils:

1. Object & Method

Color	Thickness (mm)	Surface type	Pencil Hardness	Result from customer	Test date
YW034	0.45	SSR2	F (NG)	Lv.3 (NG)	Dec,2015
		SSR3	3H (PASS)	Lv.3 (NG)	FEB,2016
Standard			Description		
EN12720:2013			Surface resistance to cold liquids (TCK)		

2. Result:

Version of Surface	Material of stains						
	Coffee	Soy Source	Nail Remover	Red lipstick	Black Shoe polish	Blue ink	Hair dye
SSR (Oct ,15)	5	5	3	5	5	5	1
SSR2 (Dec,15)	5	5	3	5	5	5	1
SSR3 (Feb,16)	5	5	3	5	5	5	1

3. Ratings:

5= no change

4= minor changes (only visible under reflected light)

3= moderate changes (visible from several viewing direction)

2= significant changes in color or gloss; slight change of structure (swelling, fibre raising, cracking, blistering)

1= strong change