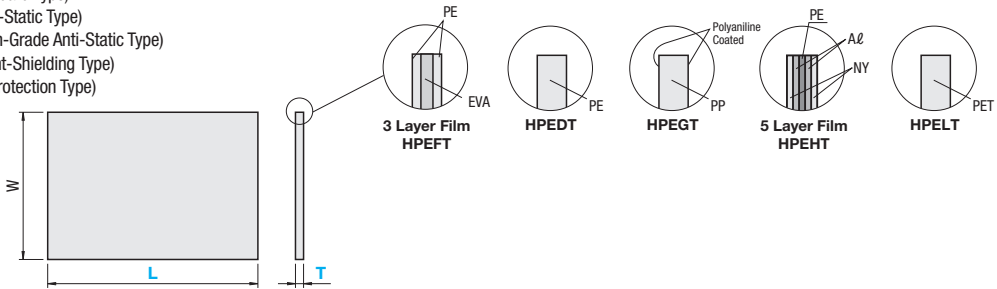


Non-PVC Sheets

Standard, Anti-Static, High-Grade Anti-Static, Light-Shielding, UV Protection



- HPEFT** (Standard Type)
- HPEDT** (Anti-Static Type)
- HPEGT** (High-Grade Anti-Static Type)
- HPEHT** (Light-Shielding Type)
- HPFLT** (UV Protection Type)



Type	Material	Color	Heat Resistance Temperature
① HPEFT	Polyethylene (PE), Ethylene Vinyl Acetate (EVA)	Transparent	-20°C~110°C
② HPEDT	Polyethylene (PE)	Translucent	
③ HPEGT	Polypropylene (PP)	Transparent (Green)	
④ HPEHT	Polyethylene (PE), Nylon (NY), Aluminum (A δ)	Silver	-20°C~80°C
⑤ HPFLT	Polyester (PET)	Transparent	

For Transparency, refer to the Transparency Comparison Photo below. HPEHT (Light-Shielding Type) has 99.9% rate of shading.

Part Number	Length L (m)	Thickness	Width W (m)	Mass (kg)*			L1		L10		L50		
				L1	L10	L50	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	
HPEFT	0.2	1 10 50	1.2	0.4	4.2	13.1							
HPEDT				0.22	1.1	0.3	2.6	12.7					
HPEGT				0.18	1.2	0.3	2.5	12.6					
HPEHT				0.19	0.82	0.2	2.4	12.0					
HPFLT													

*Specified in meter increments. * The mass includes paper cores (Except for L1).



Film Property

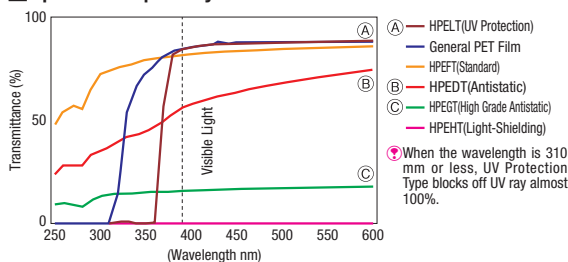
Item	Direction	Value				
		Standard Type	Anti-Static Type	High-Grade Anti-Static Type	Light-Shielding Type	UV Protection Type
Tensile Strength	Vertical	343kgf/cm ²	242kgf/cm ²	360kgf/cm ²	463kgf/cm ²	714kgf/cm ²
	Horizontal	329kgf/cm ²	225kgf/cm ²	380kgf/cm ²	433kgf/cm ²	670kgf/cm ²
Tear Strength	Vertical	93gf	536gf	1400gf	144gf	1490gf
	Horizontal	100gf	704gf	1200gf	154gf	1400gf
Heat Resistance	-	110°C	80°C	80°C	80°C	80°C
Surface Resistivity	-	10 ¹⁴ Ω	10 ¹² Ω	10 ⁹ Ω	-	-

Outgas Testing Result of Anti-Static and High-Grade Anti-Static Type

Sheet	Measuring Method	SIM Method	SIM Method	SIM Method	SIM Method
Anti-Static Type	Outgas 60°C 60min. Detection Limit	Diethyl Malonate	Ethyl Acetate	Dibutyl Phthalate	Diocyl Phthalate
		Below Detection Limit	Below Detection Limit	Below Detection Limit	Below Detection Limit
High-Grade Anti-Static Type	Outgas 85°C 16hr Detection Limit	Total amount of hydrocarbon compound will be 167µg/g in 85°Cx16hr.			Diocyl Phthalate
					Below Detection Limit 25.0ng/g

SIM:Stands for "Select Ion Monitoring" (one type of Gas Chromatography Analysis). Measures pre-registered molecular weight substance only in high accuracy.

Optical Transparency



- Ⓐ — HPFLT (UV Protection)
- General PET Film
- HPEFT (Standard)
- Ⓑ — HPEDT (Antistatic)
- Ⓒ — HPEGT (High Grade Antistatic)
- HPEHT (Light-Shielding)

When the wavelength is 310 mm or less, UV Protection Type blocks off UV ray almost 100%.

Transparency Comparison Photo (Sheet - Subject Distance: 50mm)

