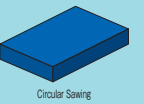


Unilate® (Free-cutting Resin) / Antistatic PET Plates



- Unilate® (Free-cutting Resin) excels in heat resistance and insulation.
- Antistatic PET is excellent in material workability and dimensional stability and hardly causes color staining.
- * For Details of color samples and features, see **P951**

■ Unilate® Free-cutting Resin Plates

■ Antistatic PET Plates

Type	Material	Color	Operating Ambient Temperature
YCA	Unilate®	Natural Brown	Ambient Temp. ~ 120°C
PYCA	Antistatic PET, PET300ESD	Black	Ambient Temp. ~ 100°C

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Ⓜ Properties and Machining Conditions P.953 RoHS

Standard Type

2H, 4H, 6H

2-Screw Nominal Dia. Selection
N (Through Hole)
Z (Counterbore)
M (Threaded Insert)

4-Screw Nominal Dia. Selection
N (Through Hole)
Z (Counterbore)
M (Threaded Insert)

6-Screw Nominal Dia. Selection
N (Through Hole)
Z (Counterbore)
M (Threaded Insert)

Nominal Dia. b (Min. Value)
3~10 2.5

Hole Machining Details

N (Through Hole)	Z (Counterbore Hole)	M (Threaded Insert)
<p>Ordering Code (Ex.) M4-L6 Ⓢ L≤T-1 Ⓢ When L+5<T, drilled holes will be blind ones.</p>		

Screw Nominal Dia.	3	4	5	6	8	10
d	3.5	4.5	5.5	6.5	9	11
d1	-	8	9.5	11	14	-
h	-	5	6	7	9	-

Finish	4 Sides	Upper-lower Surface
	Drilling Method Finish Symbol	Drilling Method Finish Symbol
Circular Sawing	Circular Sawing ✓	Material ~

Ⓜ Material: Free-cutting Resin Plates: Polyethylene Terephthalate
Antistatic PET Plates: Polyethylene Terephthalate

Standard Type

Part Number	A	B	T
Type	1mm Increment	Selectable	
YCA Unilate® (Free-cutting Resin)	20~800	20~600	5, 10, 15
PYCA Antistatic PET	20~500	20~400	8, 10, 15, 20, 25, 30

T Dimension Tolerance, Rate of Camber and Torsion

T	YCA		PYCA		Rates of Camber and Torsion per 1,000mm
	T Dimension Tolerance		T Dimension Tolerance		
5	±0.35		8, 10	0~+1.4	1.5% or Less
10	0~+3.0		15, 20, 25	0~+2.0	
15	0~+4.0		30, 40, 50	0~+3.0	

Dimension Tolerance of A and B

A, B	A, B Dimension Tolerance
Unit: mm	
-99	±0.5
100~250	±0.75
251~	±1.0

Pre-drilled Type

Part Number	A	B	T	F	G	Pre-drilled Hole Nominal Dia.				
						Through Hole	Counterbore Hole	Threaded Insert		
Type	Number of Holes	1mm Increment	Selectable	0.5mm Increment		N	Z	M	L	
YCA Unilate® (Free-cutting Resin)	2H 4H 6H	20~800	20~600	5 10 15	6~791.5 (2H, 4H) 6~395.5 (6H)	4.5~595.5 (2H) 6~591.5 (4H, 6H)	3	-	3 4	(Threaded Insert Length) Select from Table 1
4							4 5 6	3 4 5 6 8		
5							4 5 6	3 4 5 6		
PYCA Antistatic PET	2H 4H 6H	20~500	20~400	15 20 25 30	6~491.5 (2H, 4H) 6~245.5 (6H)	4.5~395.5 (2H) 6~391.5 (4H, 6H)	6	4 5 6	3 4 5 6 8 10	
8							4 5 6	3 4 5 6 8		
10							4 5 6 8	3 4 5 6 8 10		
15							4 5 6 8	3 4 5 6 8 10		
20							4 5 6 8	3 4 5 6 8 10		

- Ⓢ Dimension F Specification Range : For 2H and 4H, d(d1)+2.5≤F≤A-d(d1)-5; for 2HL, d(d1)/2+2.5≤F≤A-d(d1)/2-2.5; for 6H, d(d1)+2.5≤F≤(A-d(d1)-5)/2.
- Ⓢ Dimension G Specification Range : For 2H, d(d1)/2+2.5≤G≤B-d(d1)/2-2.5; for 2HL, 4H and 6H, d(d1)+2.5≤G≤B-d(d1)-5. (d for through hole and threaded insert, d1 for counterbore)
- Ⓢ For Pre-drilled Type, select N (through hole) or Z (counterbore hole); for Threaded Insert Type, select M (threaded insert) or L (insert length).

Ordering Example

Standard Type

Part Number - A - B - T
PYCA - 300 - 200 - 10

Pre-drilled Type

Part Number - A - B - T - F - G - Screw Nominal Dia. - L
PYCA2H - 200 - 100 - 15 - F50 - G30 - N5 - L
YCA2H - 180 - 100 - 10 - F80 - G60 - M5 - L5

Standard Type Unit Price (YCA)

Type	T	A	Unit Price																		
			B																		
YCA	10	5	20-50	51-100	101-150	151-200	201-250	251-300	301-350	351-400	401-450	451-500	501-550	551-600	601-650	651-700	701-750	751-800			
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	15	10	15	20-50	51-100	101-150	151-200	201-250	251-300	301-350	351-400	401-450	451-500	501-550	551-600	601-650	651-700	701-750	751-800		
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Standard Type Unit Price (PYCA)

Type	T	A	Unit Price										
			B										
PYCA	10	8	20-50	51-100	101-150	151-200	201-250	251-300	301-350	351-400			
			-	-	-	-	-	-	-	-	-		
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
	15	10	12	20-50	51-100	101-150	151-200	201-250	251-300	301-350	351-400		
				-	-	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

Hole Machining Charge

Pre-drilled Type	Hole Machining Charge		
	N (Through)	Z (Counterbore Hole)	M (Threaded Insert)
2H			
4H			
6H			

Price Calculation Method for Pre-drilled Type

Ⓢ Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge

(Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia. >>

PYCA2H - 300 - 200 - 10 - F200 - G100 - Z6

(Standard Type Unit Price) + (Hole Machining Charge) = Pre-drilled Type Price

Alterations For machining corner and specifying hole position, see P1018.