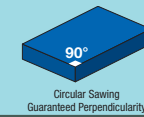


Polyacetal Plates

Standard / Antistatic Grade



Polyacetal (equal to Duracone®) is a general Engineered Plastic used for various industrial purposes. Antistatic Grade is made from non-carbon antistatic materials. For Finishing, Circular Sawing and Milling are available.

*For Details of color samples and features, see P.951

Standard Type

Properties P.953 RoHS

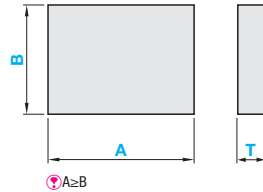
For Plastic Blocks, see P.1024.

Type	Grade	Color	Operating Ambient Temperature
PAA	Standard	White	-45~95°C
PABA		Black	
PACA	Antistatic	Ocher	Ambient Temperature: ~ 80°C

T	Dimension Tolerance of A and B		T Dimension Tolerance, Rate of Camber and Torsion	
	A-B Unit: mm	A, B Dimension Tolerance	T	T Dimension Tolerance Rates of Camber and Torsion per 1,000mm
5~30	~99	±0.5	5~10	+0.2~1.5
	100~250	±0.75	12	+0.3~2.0
40~60	251~	±1.0	15~30	0.5% or Less
	~300	0~+5	40, 50, 60	+0.5~3.0

Finish	4 Sides		Upper-lower Surface	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Circular Sawing	Circular Sawing	✓	Material	~
Guaranteed Perpendicularity of Circular Saw Cuts (NT)	Circular Sawing	✓	Material	~
4-side Milling (4F)	Milling	✓	Material	~
6-surface Milling (6F)	Milling	✓	Milling	✓
Upper-lower Surface Milling (2F)	Circular Sawing	✓	Milling	✓

Finish	Precision Guarantee	
	Width Parallelism per 100mm	Perpendicularity of Reference Plane
Guaranteed Perpendicularity of Circular Saw Cuts (NT)	0.1	0.1
4-side Milling (4F)	0.1	0.1
6-surface Milling (6F)	0.1	0.1



Material: Polyacetal

Type	Finish Selection	T Dimension Tolerance	Part Number			Dimension Range by Material	A	B	T	
			A, B Dimension Tolerance							
PAA (Standard White) PABA (Standard Black) PACA (Antistatic Grade)	-	Not available	Circular Sawing			PAA PABA PACA	1mm Increment		Selectable	
			Guaranteed Perpendicularity of Circular Saw Cuts (NT)				0.5mm Increment		Selectable	
			NT	Q	T5, 6, 8, 9, 10		T12, 15, 19, 20	T25, 30	5, 6, 8, 10, 12, 15, 20, 25, 30	
	4F	Not available	Q N M	4-side Milling (4F)			PAA PABA PACA	0.1mm Increment		Selectable
				6-surface Milling (6F)				0.1mm Increment		Selectable
				6F	Q N M	Q N M		Q N M	5~29 5~24	
	2F	Q N M	Q N M	Upper-lower Surface Milling (2F)			PAA PABA PACA	1mm Increment		0.1mm Increment
				-				-		5~29
				-				-		5~24

T40, 50 and 60 may have steps on cut surfaces.

For T0.5, 1.0, 1.5 and 2.0, see P.973.



- Circular Sawing
- Guaranteed Perpendicularity of Circular Saw Cuts
- 4-side Milling
- 6-surface Milling
- Upper-lower Surface Milling

Part Number	A	B	T
PAA	300	200	40
PAANTQ	200.5	100.5	10
PAA4FN	150.5	100.3	15
PAA6FMM	100.3	90.5	10.5
PAA2FQ	80	50	5



Alterations Part Number - A - B - T - (CRA ... etc.)
PAA - 300 - 200 - 10 - CRA10

Alterations	Corner Radius	Corner Cut
	<p>Code: CRA, CRB, CRC, CRD</p>	<p>Code: CCA, CCB, CCC, CCD</p>
Spec.	<p>Adds radius to any corner. R = 5mm Increment 10 ≤ A(B)-R(2R) 5 ≤ CRA, CRB, CRC, CRD ≤ 100 (Ex.) Adds R10 at the corner of A and C. CRA10-CRC10</p> <p>Not applicable to 4-side milling or 6-surface milling. Not applicable to T40, 50 and 60.</p>	<p>Cuts any corners. 5 ≤ Corner Cut ≤ 50 5mm Increment (Ex.) When the corners of A and D are cut by C5 → CCAS-CCD5</p> <p>Not applicable to 4-side milling or 6-surface milling. Not applicable to T40, 50 and 60.</p>

Pre-drilled Type

Properties P.953 RoHS

Type	Grade	Color	Operating Ambient Temperature
PAA	Standard	White	-45~95°C
PABA		Black	
PACA	Antistatic	Ocher	Ambient Temperature: ~ 80°C

T	Dimension Tolerance of A and B		T Dimension Tolerance, Rate of Camber and Torsion	
	A-B Unit: mm	A, B Dimension Tolerance	T	T Dimension Tolerance Rates of Camber and Torsion per 1,000mm
5~30	~99	±0.5	5~10	+0.2~1.5
	100~250	±0.75	12	+0.3~2.0
40~60	251~	±1.0	15~30	0.5% or Less
	~300	0~+5	40, 50, 60	+0.5~3.0

Hole Machining Details

Ordering Code (Ex.) M4-L6
L ≤ T-1
When L > 5 < T, drilled holes will be blind ones.

Screw Nominal Dia.	3		4		5		6		8		10	
	d	h	d	h	d	h	d	h	d	h	d	h
d	3.5	4.5	5.5	6.5	7.5	8.5	9.5	11	14	-	-	-
h	4	5	6	7	9	11	14	18	20	-	-	-

Type	Finish Selection	T Dimension Tolerance	Part Number			Dimension Range by Material	A	B	T	F	G	
			Number of Holes									
PAA (Standard White) PABA (Standard Black) PACA (Antistatic Grade)	-	Not available	Circular Sawing			PAA PABA PACA	1mm Increment		Selectable	0.5mm Increment		
			Guaranteed Perpendicularity of Circular Saw Cuts (NT)				0.5mm Increment		Selectable			
			NT	Q	T5, 6, 8, 9, 10		T12, 15, 19, 20	T25, 30	5, 6, 8, 10, 12, 15, 20, 25, 30			
	2F	Q N M	Q N M	Upper-lower Surface Milling (2F)			PAA PABA PACA	1mm Increment		T Dimension Configurable: 0.1mm Increment	0.5mm Increment	
				-				-		5~29		
				-				-		5~24		

T Dimension	Pre-drilled Hole Nominal Dia.			
	Through Hole	Counterbore Hole	Threaded Insert	
5	-	-	3	4
6, 7	3	3	3	4
8	4	3	3	4
9	5	4	3	4
10, 11	6	4	3	4
12~14	8	4	3	4
15~30	10	4	3	4

- Dimension F Specification Range: For 2H and 4H, $d(d_1)+2.5 \leq F \leq A-d(d_1)-5$; for 2HL, $d(d_1)/2+2.5 \leq F \leq A-d(d_1)/2-2.5$; for 6H, $d(d_1)+2.5 \leq F \leq (A-d(d_1)-5)/2$.
- Dimension G Specification Range: For 2H, $d(d_1)/2+2.5 \leq G \leq B-d(d_1)/2-2.5$; for 2HL, 4H and 6H, $d(d_1)+2.5 \leq G \leq B-d(d_1)-5$. (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 (insertion length).



Ordering Example Pre-drilled Type
Part Number - A - B - T - F - G - Screw Nominal Dia. - L
PABA4H - 400 - 325 - 15 - F300 - G200 - Z6
PABA4H - 500 - 300 - 10 - F300 - G200 - M5 - L7.5



Alterations Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC)
PAA2H - 50 - 40 - 5 - F10 - G20 - N3 - XC10

Alterations	Hole Position from Left	Hole Position from Bottom
	<p>Code: XC</p>	<p>Code: YC</p>
Spec.	<p>XC = 0.5mm Increment (2H, 4H Type) $d(d_1)/2+2.5 \leq XC \leq A-F-d(d_1)/2-2.5$ (6H Type) $d(d_1)/2+2.5 \leq XC \leq A-2F-d(d_1)/2-2.5$</p>	<p>YC = 0.5mm Increment $d(d_1)/2+2.5 \leq YC \leq B-G-d(d_1)/2-2.5$ Not available for 2H.</p>