

Polyamide stock shapes: Save time and money!



Efficient custom casting made to order

Ensinger has now largely automated the manufacture of custom cast stock shapes. The new facilities at the Cham production location permit the flexible and efficient production of all plates and rods from the TECAST production line. Fixed programmed production sequences and fully automatic testing for cavities, ensure a consistently high standard of quality which benefits you during further processing.

Transition to different plate thicknesses now takes minimal time. Shapes can be adjusted with just the click of a mouse. This allows the standard products to be manufactured for you in the Cham factory at a high output rate and made available at short notice. In the field of non-standard products, we can also respond quickly and flexibly to your specific needs.

The millimetre-precise adjustment of material thickness is doubly worthwhile for you, as less waste is produced during the manufacture of finished products and less time is required for machining. This means a reduction in your component costs.



TECAST natural.

Tested on stock shapes:

FDA conformity (Art. 21 CFR 177.1500 (a) (b))

(EC) No. 1935/2004

(EU) No. 10/2011

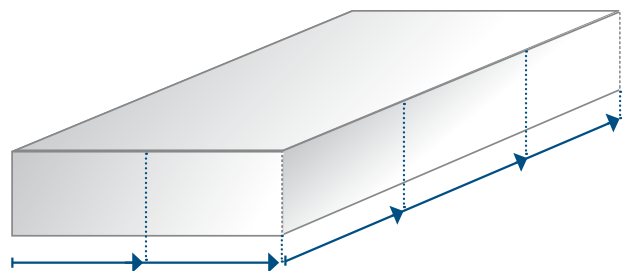
(EC) No. 2023/2006

Extensive stocked range

Ensinger offers you one of the biggest stocked ranges of cast polyamide plates and rods available on the market. You benefit from an enormous variety of dimensions, colours and modifications. Thanks to modern production techniques and smart logistics, output and delivery periods have been significantly reduced.

Which dimensions do you require?


We can do virtually anything!




Our plates are available in the following dimensions and thicknesses:

Thickness

8 – 60 mm

 1,220 x 1,000 mm

 1,220 x 2,000 mm

 1,220 x 3,048 mm

 610 x 3,048 mm

Thickness from

8 – 130 mm

→ 1,000 x 500 mm

→ 2,000 x 500 mm

→ 1,000 x 1,000 mm

→ 1,000 x 2,000 mm

Millimetre-precise plate thicknesses can be adjusted to the final thickness of your component.

Our complete delivery range is provided on the inside page and back cover.

What we supply is close to your requirements...



Less waste economic benefit

- Millimetre-precise plate thicknesses can be adjusted to the final thickness of your component
- Customized cuts are possible



Extensive stocked range

- A wide, finely graduated portfolio – from stock
- Additional dimensions (in mm): 1,220x1,000, 1,220x2,000, 610x3,048, 1,220x3,048



Lower component costs

- Very good cost ratio due to the use of cast polyamide
- High cutting productivity




Short delivery times

- Efficient production for processing large-scale orders at short notice
- Fast response to customer requests
- Individual production (dimensions, colours, modifications)

Consistent high quality due to fully automatic quality control

Our delivery range – an overview

TECAST Round rods


	TECAST T natural	TECAST T MO black	TECAST L natural	TECAST L yellow	TECAST L black	TECAGLIDE green	Delivery length	Tolerance [mm]
								
Polymer	PA 6 C	PA 6 C	PA 6 C	PA 6 C	PA 6 C	PA 6 C		
Density [g/cm ³]	1.15	1.15	1.13	1.14	1.14	1.13		
Colour	ivory opaque	black opaque	ivory opaque	yellow opaque	black opaque	green opaque		
Diameter [mm]	[kg/m]	[kg/m]	[kg/m]	[kg/m]	[kg/m]	[kg/m]	[mm]	
50	2.41	2.41	2.37	2.39	2.39	2.37	1,000 / 2,000	+0.30/+1.90
55	2.9	2.9	2.85	2.87	2.87	2.85	1,000 / 2,000	
60	3.54	3.54	3.48	3.51	3.51	3.48	1,000 / 2,000	+0.30/+2.50
65	4.09	4.09	4.02	4.06	4.06	4.02	1,000 / 2,000	
70	4.79	4.79	4.7	4.74	4.74	4.7	1,000 / 2,000	
75	5.38	5.38	5.28	5.33	5.33	5.28	1,000 / 2,000	+0.40/+2.80
80	6.03	6.03	5.92	5.97	5.97	5.92	1,000 / 2,000	
85	6.82	6.82	6.7	6.76	6.76	6.7	1,000 / 2,000	+0.50/+3.20
90	7.62	7.62	7.49	7.56	7.56	7.49	1,000 / 2,000	
95	8.24	8.24	8.1	8.17	8.17	8.1	1,000 / 2,000	+0.60/+3.50
100	9.46	9.46	9.3	9.38	9.38	9.3	1,000 / 2,000	
110	11.38	11.38	11.18	11.28	11.28	11.18	1,000 / 2,000	+0.70/+3.90
120	13.75	13.75	13.51	13.63	13.63	13.51	1,000 / 2,000	+0.80/+4.30
125	15.03	15.03	14.77	14.9	14.9	14.77	1,000 / 2,000	
130	15.99	15.99	15.71	15.85	15.85	15.71	1,000 / 2,000	+0.80/+5.00
135	17.73	17.73	17.42	17.58	17.58	17.42	1,000 / 2,000	
140	18.54	18.54	18.21	18.37	18.37	18.21	1,000 / 2,000	
150	21.6	21.6	21.22	21.41	21.41	21.22	1,000 / 2,000	+0.80/+5.30
160	24.4	24.4	23.98	24.19	24.19	23.98	1,000 / 2,000	+0.80/+6.00
170	27.3	27.3	26.9	27.1	27.1	26.9	1,000 / 2,000	+1.00/+6.50
180	30.3	30.3	29.8	30.1	30.1	29.8	1,000 / 2,000	
190	34.0	34.0	33.4	33.7	33.7	33.4	1,000 / 2,000	+1.00/+7.50
200	37.9	37.9	37.3	37.6	37.6	37.3	1,000 / 2,000	
210	42.0	42.0	41.3	41.6	41.6	41.3	1,000 / 2,000	+1.00/+8.50
220	46.4	46.4	45.6	46.0	46.0	45.6	1,000 / 2,000	
230	50.2	50.2	49.4	49.8	49.8	49.4	1,000 / 2,000	+1.00/+9.50
250	60.7	60.7	59.6	60.2	60.2	59.6	1,000 / 2,000	
280	76.2	76.2	74.8	75.5	75.5	74.8	1,000	+1.00/+11.00
300	86.7	86.7	85.2	85.9	85.9	85.2	1,000	+1.50/+12.00
320	97.7	97.7	96.0	96.9	96.9	96.0	1,000	
330	104.0	104.0	102.2	103.1	103.1	102.2	1,000	+1.50/+13.50
350	117.1	117.1	115.1	116.1	116.1	115.1	1,000	
370	131.0	131.0	128.7	129.9	129.9	128.7	1,000	+1.50/+15.00
400	152.9	152.9	150.2	151.5	151.6	150.2	1,000	
450	194.5	194.5	191.1	192.8	192.8	191.1	1,000	+1.50/+16.50
500	237.2	237.2	233.1	235.1	235.1	233.1	1,000	+1.50/+18.00
600	336.1	336.1	330.3	333.2	333.2	330.3	1,000	+3.00/+21.00
710	482.9	482.9	474.5	478.7	478.7	474.5	600	+3.00/+25.00
800	603.7	603.7	593.2	598.5	598.5	593.2	750	

Tolerance according to DIN:
Length 0 / +3 %

Stocked articles

Colour and dimension modifications on request. Also available ground. The specified kg/m weights are purely computed values. The delivery weight will differ from this. All information is without guarantee. For the latest information, go to www.ensinger-online.com

TECAST plates

	TECAST T natural	TECAST T MO black	TECAST L natural	TECAST L yellow	TECAST L black	TECAGLIDE green		
Polymer	PA 6 C	PA 6 C	PA 6 C	PA 6 C	PA 6 C	PA 6 C		
Density [g/cm ³]	1.15	1.15	1.13	1.14	1.14	1.13		
Colour	ivory opaque	black opaque	ivory opaque	yellow opaque	black opaque	green opaque	Delivery length	Tolerance
Dimensions [mm]	[kg/m]	[kg/m]	[kg/m]	[kg/m]	[kg/m]	[kg/m]	[mm]	[mm]
8 x 610	7.045	7.045	6.925	6.985	6.985	6.93	1,000 / 2,000 / 3,048	+0.20/+1.50
8 x 1,000	10.85	10.85	10.66	10.75	10.75	10.66	1,000 / 2,000	
8 x 1,220	14.09	14.09	13.85	13.97	13.97	13.85	1,000 / 2,000 / 3,048	
10 x 610	8.535	8.535	8.385	8.46	8.46	8.39	1,000 / 2,000 / 3,048	
10 x 1,000	13.35	13.35	13.12	13.23	13.23	13.12	1,000 / 2,000	
10 x 1,220	17.07	17.07	16.77	16.92	16.92	16.77	1,000 / 2,000 / 3,048	
12 x 610	10.02	10.02	9.85	9.935	9.935	9.85	1,000 / 2,000 / 3,048	+0.30/+2.50
12 x 1,000	15.85	15.85	15.58	15.71	15.71	15.58	1,000 / 2,000	
12 x 1,220	20.04	20.04	19.7	19.87	19.87	19.7	1,000 / 2,000 / 3,048	
15 x 610	12.255	12.255	12.04	12.145	12.145	12.04	1,000 / 2,000 / 3,048	
15 x 1,000	19.6	19.6	19.26	19.43	19.43	19.26	1,000 / 2,000	
15 x 1,220	24.51	24.51	24.08	24.29	24.29	24.08	1,000 / 2,000 / 3,048	
16 x 610	13.0	13.0	12.75	12.9	12.9	12.75	1,000 / 2,000 / 3,048	
16 x 1,000	20.85	20.85	20.49	20.67	20.67	20.49	1,000 / 2,000	
16 x 1,220	26.0	26.0	25.5	25.8	25.8	25.5	1,000 / 2,000 / 3,048	
20 x 610	15.95	15.95	15.7	15.85	15.85	15.7	1,000 / 2,000 / 3,048	
20 x 1,000	25.9	25.9	25.4	25.6	25.6	25.4	1,000 / 2,000	
20 x 1,220	31.9	31.9	31.4	31.7	31.7	31.4	1,000 / 2,000 / 3,048	
25 x 610	19.7	19.7	19.35	19.5	19.5	19.35	1,000 / 2,000 / 3,048	
25 x 1,000	32.1	32.1	31.5	31.8	31.8	31.5	1,000 / 2,000	
25 x 1,220	39.4	39.4	38.7	39.0	39.0	38.7	1,000 / 2,000 / 3,048	
30 x 610	23.4	23.4	23.0	23.2	23.2	23.0	1,000 / 2,000 / 3,048	+0.50/+3.50
30 x 1,000	38.4	38.4	37.7	38.0	38.0	37.7	1,000 / 2,000	
30 x 1,220	46.8	46.8	46.0	46.4	46.4	46.0	1,000 / 2,000 / 3,048	
35 x 610	27.15	27.15	26.65	26.9	26.9	26.7	1,000 / 2,000 / 3,048	
35 x 1,000	44.6	44.6	43.8	44.2	44.2	43.8	1,000 / 2,000	
35 x 1,220	54.3	54.3	53.3	53.8	53.8	53.3	1,000 / 2,000 / 3,048	
40 x 610	30.85	30.85	30.3	30.6	30.6	30.3	1,000 / 2,000 / 3,048	
40 x 1,000	50.9	50.9	50.0	50.4	50.4	50.0	1,000 / 2,000	
40 x 1,220	61.7	61.7	60.6	61.2	61.2	60.6	1,000 / 2,000 / 3,048	
45 x 610	34.55	34.55	33.95	34.25	34.25	34.0	1,000 / 2,000 / 3,048	
45 x 1,000	57.1	57.1	56.1	56.6	56.6	56.1	1,000 / 2,000	
45 x 1,220	69.1	69.1	67.9	68.5	68.5	67.9	1,000 / 2,000 / 3,048	
50 x 610	38.3	38.3	37.6	37.95	37.95	37.6	1,000 / 2,000 / 3,048	
50 x 1,000	63.4	63.4	62.3	62.8	62.8	62.3	1,000 / 2,000	
50 x 1,220	76.6	76.6	75.2	75.9	75.9	75.2	1,000 / 2,000 / 3,048	
55 x 610	42.0	42.0	41.25	41.65	41.65	41.3	1,000 / 2,000 / 3,048	+0.50/+5.00
55 x 1,000	69.6	69.6	68.4	69	69.0	68.4	1,000 / 2,000	
55 x 1,220	84.0	84.0	82.5	83.3	83.3	82.5	1,000 / 2,000 / 3,048	
60 x 610	45.7	45.7	44.95	45.35	45.35	45.0	1,000 / 2,000 / 3,048	
60 x 1,000	75.9	75.9	74.6	75.2	75.2	74.6	1,000 / 2,000	
60 x 1,220	91.4	91.4	89.9	90.7	90.7	89.9	1,000 / 2,000 / 3,048	
65 x 1,000	82.1	82.1	80.7	81.4	81.4	80.7	1,000 / 2,000	
70 x 1,000	88.4	88.4	86.8	87.6	87.6	86.8	1,000 / 2,000	
75 x 1,000	94.6	94.6	93.0	93.8	93.8	93.0	1,000 / 2,000	+0.50/+7.00
80 x 1,000	100.9	100.9	99.1	100	100.0	99.1	1,000 / 2,000	
85 x 1,000	107.1	107.1	105.2	106.2	106.2	105.2	1,000 / 2,000	
90 x 1,000	113.4	113.4	111.4	112.4	112.4	111.4	1,000 / 2,000	
95 x 1,000	119.6	119.6	117.5	118.6	118.6	117.5	1,000 / 2,000	
100 x 1,000	125.9	125.9	123.7	124.8	124.8	123.7	1,000 / 2,000	
105 x 1,000	132.1	132.1	129.8	131	131.0	129.8	1,000 / 2,000	+0.50/+9.00
110 x 1,000	138.4	138.4	136.0	137.2	137.2	136.0	1,000 / 2,000	
115 x 1,000	144.6	144.6	142.1	143.3	143.3	142.1	1,000 / 2,000	
120 x 1,000	150.9	150.9	148.3	149.6	149.6	148.3	1,000 / 2,000	
125 x 1,000	157.1	157.1	154.4	155.7	155.7	154.4	1,000 / 2,000	
130 x 1,000	163.4	163.4	160.6	162	162.0	160.6	1,000 / 2,000	

Tolerance according to DIN:

Length 0 / +3 %
Width 0 / +4 %

 Stocked articles

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