

# POM-C

## Product Information



### Our POM-C quality plastics

This semi-crystalline thermoplastic features good frictional properties and high dimensional stability. POM-C offers high mechanical load-bearing capacity paired with good machinability. For all customers requiring mechanically precise components and strict tolerance ranges, our POM-C is highly recommended. Thanks to its low moisture absorption, POM-C is suitable for components that must function under water or in a wet environment – humidity does not change its properties. POM-C is also resistant to a wide range of organic solvents and chemicals.

#### **Applications of POM-C:**

- For components requiring high dimensional stability (gearbox, guide roller, bearing, etc.)
- For components used in a humid environment.

#### **Characteristics:**

- Excellent friction properties
- High wear resistance
- High dimensional stability
- High chemical resistance
- Low moisture absorption

### POM-C variants

#### POM-C

Acetal in its pure form with no additives. POM-C is available in sheets, rods, blanks and finished parts manufactured according to your drawing. Our POM-C fulfils all food-contact safety requirements according to FDA and EN regulations.

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#### POM-C ESD AST/antistatic

This variant offers excellent antistatic performance and retains a constant level of conductivity between  $10^9$  and  $10^{11}$  ohms. It is suitable for various applications in the semiconductor industry, as well as in LCD/TFT-related technology and other areas of the electronics and electrical appliance sectors.

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#### POM-C ELS EC/conductive

Manufactured with CNT (carbon-nano-tube) POM-C, this option retains a constant conductivity between  $10^6$  and  $10^9$  ohms with minimal deviations from the physical properties of the original POM-C. It is suitable for various applications in the semiconductor industry, as well as in LCD/TFT-related technology and other areas of the electronics and electrical appliance sectors.



In addition to these existing options, we can supply you with specialised POM-C solutions to meet your individual technical requirements.

# POM-C

## Product Charts

### Sheets



SHEETS POM-C	Thick- ness mm	Tolerance mm	Weight kg/item	Availability
2000 x 1000 mm	5	+0.1 ~ +1.0	14.80	S
	6	+0.1 ~ +1.0	17.76	S
	8	+0.1 ~ +1.0	23.68	S
	10	+0.1 ~ +2.0	29.60	S
	12	+0.1 ~ +2.0	35.52	S
	15	+0.1 ~ +2.0	44.40	S
	20	+0.1 ~ +2.0	59.20	S
	25	+0.1 ~ +2.0	74.00	S
	30	+0.3 ~ +3.5	88.80	S
	35	+0.3 ~ +3.5	103.60	S
	40	+0.3 ~ +3.5	118.40	S
	45	+0.3 ~ +3.5	133.20	S
	50	+0.3 ~ +3.5	148.00	S
	60	+0.3 ~ +4.5	177.60	S
	70	+0.3 ~ +4.5	207.20	S
	80	+0.3 ~ +5.5	236.80	S
	90	+0.3 ~ +5.5	266.40	S
	100	+0.3 ~ +5.5	296.00	S

SHEETS POM-C	Thick- ness mm	Tolerance mm	Weight kg/item	Availability
3000 x 620 mm	5	+0.1 ~ +1.0	13.54	MTO
	6	+0.1 ~ +1.0	16.25	MTO
	8	+0.1 ~ +1.0	21.67	MTO
	10	+0.1 ~ +2.0	27.08	MTO
	12	+0.1 ~ +2.0	32.50	MTO
	15	+0.1 ~ +2.0	40.63	MTO
	20	+0.1 ~ +2.0	54.17	MTO
	25	+0.1 ~ +2.0	67.71	MTO
	30	+0.3 ~ +3.5	81.25	MTO
	35	+0.3 ~ +3.5	94.79	MTO
	40	+0.3 ~ +3.5	108.34	MTO
	45	+0.3 ~ +3.5	121.88	MTO
	50	+0.3 ~ +3.5	135.42	MTO
	60	+0.3 ~ +4.5	162.50	MTO
	70	+0.3 ~ +4.5	189.59	MTO
	80	+0.3 ~ +5.5	216.67	MTO
	90	+0.3 ~ +5.5	243.76	MTO
	100	+0.3 ~ +5.5	270.84	MTO



#### Colour:

Natural (whitish), black, blue RAL 5002  
Other colours on request

For other dimensions please contact us directly!

SHEETS POM-C	Thick- ness mm	Tolerance mm	Weight kg/item	Availability
3000 x 1220 mm	5	+0.1 ~ +1.0	27.08	MTO
	6	+0.1 ~ +1.0	32.50	MTO
	8	+0.1 ~ +1.0	43.33	MTO
	10	+0.1 ~ +2.0	54.17	MTO
	12	+0.1 ~ +2.0	65.00	MTO
	15	+0.1 ~ +2.0	81.25	MTO
	20	+0.1 ~ +2.0	108.34	MTO
	25	+0.1 ~ +2.0	135.42	MTO
	30	+0.3 ~ +3.5	162.50	MTO
	35	+0.3 ~ +3.5	189.59	MTO
	40	+0.3 ~ +3.5	216.67	MTO
	45	+0.3 ~ +3.5	243.76	MTO
	50	+0.3 ~ +3.5	270.84	MTO
	60	+0.3 ~ +4.5	325.01	MTO
	70	+0.3 ~ +4.5	379.18	MTO
	80	+0.3 ~ +5.5	433.34	MTO
	90	+0.3 ~ +5.5	487.51	MTO
	100	+0.3 ~ +5.5	541.68	MTO

# POM-C

## Product Charts



### Round Bars

ROUND BARS POM-C	Ø mm	Tolerance mm	Weight kg/item		Availability
			L = 1000 mm	L = 3000 mm	
	6	+0.1 ~ +0.6	0.04	0.13	S
	7	+0.1 ~ +0.6	0.06	0.17	S
	8	+0.1 ~ +0.6	0.07	0.22	S
	9	+0.1 ~ +0.6	0.09	0.28	S
	10	+0.1 ~ +0.6	0.12	0.35	S
	11	+0.1 ~ +1.0	0.14	0.42	S
	12	+0.1 ~ +1.0	0.17	0.50	S
	13	+0.1 ~ +1.0	0.20	0.59	S
	14	+0.1 ~ +1.0	0.23	0.68	S
	15	+0.1 ~ +1.0	0.26	0.78	S
	16	+0.1 ~ +1.0	0.30	0.89	S
	20	+0.1 ~ +1.0	0.46	1.39	S
	25	+0.1 ~ +1.5	0.73	2.18	S
	30	+0.1 ~ +1.5	1.05	3.14	S
	35	+0.1 ~ +1.5	1.42	4.27	S
	40	+0.1 ~ +1.5	1.86	5.58	S
	45	+0.2 ~ +2.0	2.35	7.06	S
	50	+0.2 ~ +2.0	2.90	8.71	S
	55	+0.2 ~ +2.0	3.51	10.54	S
	60	+0.2 ~ +2.2	4.18	12.55	S
	65	+0.2 ~ +2.2	4.91	14.73	S
	70	+0.2 ~ +2.2	5.69	17.08	S
	75	+0.3 ~ +2.5	6.54	19.61	S
	80	+0.3 ~ +2.5	7.44	22.31	S

ROUND BARS POM-C	Ø mm	Tolerance mm	Weight kg/item		Availability
			L = 1000 mm	L = 3000 mm	
	85	+0.3 ~ +2.5	8.39	25.18	S
	90	+0.3 ~ +2.5	9.41	28.23	S
	95	+0.5 ~ +3.5	10.49	31.46	S
	100	+0.5 ~ +3.5	11.62	34.85	S
	110	+0.5 ~ +3.5	14.06	42.17	S
	120	+0.5 ~ +4.5	16.73	50.19	S
	125	+0.5 ~ +4.5	18.15	54.46	S
	130	+0.5 ~ +4.5	19.63	58.90	S
	140	+0.5 ~ +4.5	22.77	68.31	S
	150	+0.5 ~ +4.5	26.14	78.42	S
	160	+1.0 ~ +5.5	29.74	89.23	S
	170	+1.0 ~ +5.5	33.58	100.73	S
	180	+1.0 ~ +5.5	37.64	112.93	S
	190	+1.0 ~ +5.5	41.94	125.82	S
	200	+1.0 ~ +5.5	46.47	139.42	S
	210	+1.0 ~ +7.0	51.24	153.71	S
	220	+1.0 ~ +7.0	56.23	168.69	S
	225	+1.0 ~ +7.0	58.82	176.45	S
	230	+1.0 ~ +7.0	61.46	184.38	S
	240	+1.0 ~ +7.0	66.92	200.76	S
	250	+1.0 ~ +7.0	72.61	217.83	S
	280	+1.0 ~ +7.0	91.09	273.26	S
	300	+1.0 ~ +7.0	104.56	313.69	S



Availability:  
 S = Standard  
 MTO = Made To Order / MOQ = Upon Request

# COMCOEPP

Engineering Plastic Products

We produce plastic stock shapes  
and engineer tailor made solutions.



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