

## KETRON® PEEK TUBES (EXTRUDED)

**YOUR BENEFITS ARE REDUCED MATERIAL COSTS WITH AT THE SAME TIME EXCELLENT PRODUCT QUALITY !**

Quadrant is not only capable of offering KETRON® PEEK RODS, but can also support you with offering KETRON® PEEK TUBES with extrusion.

In this overview, you see our offered possible tube sizes as well as minimum order quantity, within AEP extrusion, for the following products:

- |                       |  |
|-----------------------|--|
| (1) Ketron® PEEK-1000 | natural / black                              |
| (2) Ketron® PEEK-HPV  | addition of carbon fibres, PTFE and graphite |
| (3) Ketron® PEEK-GF30 | incl 30% glass fibre                         |
| (4) Ketron® PEEK-CA30 | incl 30% carbon fibre                        |
| (5) Ketron® PEEK-TX   | PEEK + solid lubricant                       |



## KETRON® PEEK

has many outstanding properties for high-end engineering plastics, as compared to other PEEK materials, such as:

- very high maximum allowable service temperature in air (250°C continuously going up to 310°C for short periods)
- high mechanical strength, stiffness and hardness, also at elevated temperatures
- excellent chemical and hydrolytic resistance
- excellent wear and frictional behaviour (especially KETRON® PEEK-HPV and PEEK-CA30)
- very good dimensional stability
- inherent low flammability and very low levels of smoke evolution during combustion
- good electrical insulating and dielectric properties (except for KETRON® PEEK-HPV and KETRON® PEEK-CA30)
- excellent resistance against high energy radiation (gamma and X-ray)

## TECHTRON® HPV PPS TUBES (EXTRUDED)

- |                       |   |
|-----------------------|---|
| (6) Techtron® HPV PPS | developed to close the gap between standard thermoplastics and the high-end advanced engineering plastics |
|-----------------------|---|



Learn more online at [www.quadrantplastics.com](http://www.quadrantplastics.com)

Quadrant has extensive product and machining resources available online. Our website is a portal to a wealth of technical data and the easiest way to engage our application specialists. Our team stands ready to help offer solutions to your toughest problems.

## Quadrant Engineering Plastic Products Worldwide

### EUROPE

Quadrant EPP AG  
Hardstrasse 5  
CH-5600 Lenzburg  
Tel +41 (0) 62 8858409  
Fax +41 (0) 62 8858181  
e-mail: [europa.epp@qplas.com](mailto:europa.epp@qplas.com)

### NORTH AMERICA

Quadrant EPP USA, Inc.  
2120 Fairmont Avenue  
PO Box 14235 - Reading, PA 19612-4235  
Tel 800 366 0300 / +1 610 320 6600  
Fax 800 366 0301 / +1 610 320 6868  
e-mail: [americas.epp@qplas.com](mailto:americas.epp@qplas.com)

### ASIA-PACIFIC

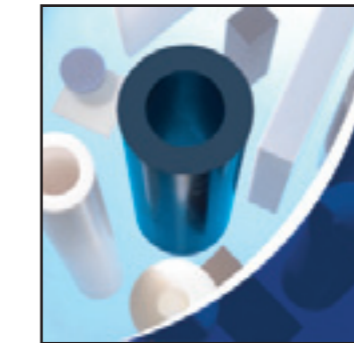
Quadrant EPP Asia Pacific Ltd  
108 Tai To Tsuen, Ping Shan  
Yuen Long - N.T. Hong Kong  
Tel +852 (0) 24702683  
Fax +852 (0) 24789966  
e-mail: [asia.epp@qplas.com](mailto:asia.epp@qplas.com)

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Do you want to save material costs ?



Then try KETRON® PEEK and TECHTRON® HPV TUBES !

Alperton Engineering Limited ☐  
Unit 48 Moyle Road, ☐  
Dublin Industrial Est., ☐  
Glasnevin, Dublin 11, Ireland ☐  
Phone +353 1 8306277 ☐  
Fax +353 1 8306458 ☐  
[info@alperton.ie](mailto:info@alperton.ie) ☐  
[www.alperton.com](http://www.alperton.com)



# You inspire... we materialize

### Quadrant history:

The first engineering polymer shapes for machining.

### Quadrant today:

The broadest range of engineering polymer shapes allowing the most effective material choice.

### Quadrant tomorrow:

New products for new needs, developed by QEPP's global product and application development team.

For over 60 years, the companies that today form Quadrant have been developing new materials to meet changing demands of customers around the world. The innovative, collaborative spirit between our people and our customers has shaped our success and led to the industry's broadest range of engineering plastic shapes for machining. Our investment in innovation will only increase in the years ahead, to support your requirements for higher levels of performance, productivity and value.



## Minimum order quantity

Diameters (mm)	Tolerances (mm)		KETRON® PEEK-1000 nat / black		KETRON® PEEK-HPV		KETRON® PEEK-GF30		KETRON® PEEK-CA30		KETRON® PEEK-TX		TECHTRON® HPV	
	OD	ID	MOQ (m)	MOQ (kg)	MOQ (m)	MOQ (kg)	MOQ (m)	MOQ (kg)	MOQ (m)	MOQ (kg)	MOQ (m)	MOQ (kg)	MOQ (m)	MOQ (kg)
50 x 30	+0.5	+2.2 -0.5 -2.2	18	34	18	37	18	39	18	37	18	36	18	37
50 x 40	+0.5	+2.2 -0.5 -2.2	18	21	18	24	18	25	18	23	18	23	18	24
60 x 30	+0.6	+2.8 -0.6 -2.8	18	56	15	52	15	54	15	51	18	60	15	52
60 x 40	+0.6	+2.8 -0.6 -2.8	18	44	18	48	18	50	18	47	18	47	18	48
60 x 50	+0.6	+2.8 -0.6 -2.8	18	28	18	30	18	32	18	30	18	29	18	30
70 x 30	+0.6	+3.4 -0.6 -3.4	12	55	12	61	12	63	12	59	12	59	12	60
70 x 40	+0.6	+3.4 -0.6 -3.4	15	58	12	51	12	54	12	50	15	62	12	51
70 x 50	+0.6	+3.4 -0.6 -3.4	18	54	18	60	15	52	18	58	18	57	18	59
70 x 60	+0.6	+3.4 -0.6 -3.4	18	34	18	38	18	39	18	37	18	36	18	37
80 x 40	+0.6	+3.4 -0.6 -3.4	12	66	9	55	9	57	9	53	9	53	9	54
80 x 50	+0.6	+3.4 -0.6 -3.4	12	55	12	61	12	63	12	60	12	59	12	61
80 x 60	+0.6	+3.4 -0.6 -3.4	15	53	15	58	15	60	15	57	15	56	15	58
90 x 40	+1.0	+4.0 -1.4 -5.4	9	88	9	75	6	52	9	73	9	72	9	74
90 x 50	+1.0	+4.0 -1.4 -5.4	9	60	9	66	9	69	9	65	9	64	9	66
90 x 60	+1.0	+4.0 -1.4 -5.4	9	50	9	55	9	58	9	54	9	53	9	55
90 x 70	+1.0	+4.0 -1.4 -5.4	12	51	12	57	12	59	12	56	12	55	12	57
100 x 40	+1.0	+4.0 -1.4 -5.4	9	87	8	84	8	88	8	82	8	81	8	84
100 x 50	+1.0	+4.0 -1.4 -5.4	10	87	9	86	9	90	9	84	9	83	9	86
100 x 60	+1.0	+4.0 -1.4 -5.4	11	84	10	84	10	87	10	82	10	81	10	84
100 x 70	+1.0	+4.0 -1.4 -5.4	12	78	12	84	12	87	12	82	12	81	12	83
100 x 80	+1.0	+4.0 -1.4 -5.4	12	58	12	64	12	67	12	63	12	62	12	64
115 x 50	+1.3	+5.0 -1.8 -7.0	7	86	6	82	6	85	6	80	7	92	6	87
115 x 60	+1.3	+5.0 -1.8 -7.0	8	90	7	88	7	91	7	85	7	84	7	87
115 x 70	+1.3	+5.0 -1.8 -7.0	8	80	8	89	7	81	8	87	8	86	8	88
115 x 80	+1.3	+5.0 -1.8 -7.0	10	86	9	85	9	89	9	83	9	82	9	85
115 x 90	+1.3	+5.0 -1.8 -7.0	12	83	11	84	11	87	11	82	11	81	11	83
115 x 100	+1.3	+5.0 -1.8 -7.0	12	60	12	66	12	69	12	65	12	64	12	66
125 x 50	+1.3	+5.0 -1.8 -7.0	6	89	5	82	5	86	5	81	6	95	5	82
125 x 60	+1.3	+5.0 -1.8 -7.0	6	83	6	92	6	96	6	90	6	89	6	92
125 x 70	+1.3	+5.0 -1.8 -7.0	7	88	6	83	6	87	6	82	6	81	6	83
125 x 80	+1.3	+5.0 -1.8 -7.0	8	89	7	86	7	90	7	84	7	83	7	86
125 x 90	+1.3	+5.0 -1.8 -7.0	9	85	8	84	8	87	8	82	8	81	8	83
125 x 100	+1.3	+5.0 -1.8 -7.0	11	83	10	84	10	87	10	82	10	81	10	83
140 x 50	+1.3	+5.0 -1.8 -7.0	5	96	4	85	4	88	4	83	4	82	4	84
140 x 60	+1.3	+5.0 -1.8 -7.0	5	91	5	100	4	83	5	98	5	97	5	100
140 x 70	+1.3	+5.0 -1.8 -7.0	5	84	5	93	5	97	5	91	5	90	5	93
140 x 80	+1.3	+5.0 -1.8 -7.0	6	92	5	85	5	88	5	83	5	82	5	85
140 x 90	+1.3	+5.0 -1.8 -7.0	6	82	6	91	6	95	6	89	6	88	6	90
140 x 100	+1.3	+5.0 -1.8 -7.0	7	83	7	91	6	82	7	89	7	88	7	91
140 x 120	+1.3	+5.0 -1.8 -7.0	11	82	10	82	10	85	10	80	11	87	10	82
160 x 80	+1.6	+6.0 -2.0 -8.0	4	88	4	97	4	101	4	95	4	94	4	97
160 x 100	+1.6	+6.0 -2.0 -8.0	4	74	4	82	4	85	4	80	4	79	4	81
160 x 120	+1.6	+6.0 -2.0 -8.0	4	57	4	62	4	65	4	61	4	60	4	62
160 x 140	+1.6	+6.0 -2.0 -8.0	4	36										
180 x 80	+1.6	+6.0 -2.0 -8.0	4	117	4	129	4	135	4	127	4	125	4	129
180 x 100	+1.6	+6.0 -2.0 -8.0	4	103	4	114	4	118	4	111	4	110	4	113
180 x 120	+1.6	+6.0 -2.0 -8.0	4	86	4	94	4	98	4	92	4	91	4	94
180 x 140	+1.6	+6.0 -2.0 -8.0	4	65	4	71	4	74	4	70	4	69	4	71
180 x 160	+1.6	+6.0 -2.0 -8.0	4	41										
200 x 80	+1.8	+6.5 -2.3 -9.0	4	150	4	166	4	173	4	163	4	160	4	165
200 x 100	+1.8	+6.5 -2.3 -9.0	4	136	4	150	4	157	4	147	4	145	4	150
200 x 120	+1.8	+6.5 -2.3 -9.0	4	119	4	131	4	137	4	129	4	127	4	131
200 x 140	+1.8	+6.5 -2.3 -9.0	4	98	4	108	4	113	4	106	4	105	4	108
200 x 160	+1.8	+6.5 -2.3 -9.0	4	74	4	82	4	85	4	80	4	79	4	82
200 x 180	+1.8	+6.5 -2.3 -9.0	4	47										
220 x 80	+2.5	+10.0 -2.5 -12.0	4	191	*		*		*		*		*	
220 x 100	+2.5	+10.0 -2.5 -12.0	4	177	*		*		*		*		*	
220 x 120	+2.5	+10.0 -2.5 -12.0	4	160	*		*		*		*		*	
220 x 140	+2.5	+10.0 -2.5 -12.0	4	140	*		*		*		*		*	
220 x 160	+2.5	+10.0 -2.5 -12.0	4	116	*		*		*		*		*	
220 x 180	+2.5	+10.0 -2.5 -12.0	4	89	*		*		*		*		*	
260 x 100	+2.5	+10.0 -2.5 -12.0	2	130	*		*		*		*		*	
260 x 140	+2.5	+10.0 -2.5 -12.0	4	222	*		*		*		*		*	
260 x 160	+2.5	+10.0 -2.5 -12.0	4	198	*		*		*		*		*	
260 x 180	+2.5	+10.0 -2.5 -12.0	4	171	*		*		*		*		*	
260 x 200	+2.5	+10.0 -2.5 -12.0	4	140	*		*		*		*		*	
260 x 220	+2.5	+10.0 -2.5 -12.0	4	107	*		*		*		*		*	
300 x 100	+3.0	+12.0 -3.0 -14.0	2	179	*		*		*		*		*	
300 x 140	+3.0	+12.0 -3.0 -14.0	2	161	*		*		*		*		*	
300 x 180	+3.0	+12.0 -3.0 -14.0	2	136	*		*		*		*		*	
300 x 200	+3.0	+12.0 -3.0 -14.0	2	120	*		*		*		*		*	
300 x 220	+3.0	+12.0 -3.0 -14.0	4	207	*		*		*		*		*	

## Possible KETRON® PEEK and TECHTRON® HPV Tubes

OD / ID	20	30	40	50	60	70	80	90	100	120	140	160	180	200	220
30															
40															
50															
60															
70															
80															
90															
100															
115															
125															
140															
150															
160															
180															
200															
220															
260							*		*	*	*	*	*	*	*
300									*	*	*	*	*	*	*

  Size can be manufactured  
  Additional tooling required  
  Pls contact us in case you are interested in one of these sizes

Table minimum order quantity  
 MOQ: Minimum Order Quantity  
 OD: Outer Dimension  
 ID: Inner Dimension

\*:KETRON® PEEK only

Please do not hesitate to contact our Quadrant local sales force for custom-made sizes or ask for a quote, visit or expert question at [www.quadrantplastics.com](http://www.quadrantplastics.com)