



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 ASTL

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]	
[mm]	[mm]	skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,30	□
2		3,90	□
3		5,80	□
4	-0,2 +0,2	7,80	□
5		9,70	□
6	-0,3 +0,3	11,70	■

PLATES						
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		[mm]	pressed [kg/pce <sup>[2]</sup> ]	
8		20,00	□		-	-
10		24,90	□		123,80	O.R.
12		29,80	□		149,30	O.R.
15		<b>37,10</b>	■		184,50	O.R.
20		49,30	□		246,30	O.R.
25		61,60	■		305,80	O.R.
30	-0,0 +0,4	73,80	□	-0,0 +0,4	366,50	O.R.
35		86,00	□		427,20	O.R.
40		98,20	■		487,80	O.R.
45		110,42	□		-	-
50		122,60	□		-	-
60		147,10	■		-	-
70		171,50	□		-	-
80		196,20	□		-	-
90		220,60	□		-	-
100	-0,0 +0,6	245,00	□	-0,0 +0,6	-	-
110		269,46	□		-	-
120		293,89	O.R.		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 2020/2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

 ■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

 ■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

 □ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



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Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 ASTL

ROUND RODS   PRESSED AND TURNED					
Diameters [mm]	Tolerances on the diameters [mm]	TIVAR® 1000 ASTL			
		Standard length: [1000 mm <sup>[1]</sup> / 2000 mm <sup>[2]</sup> ]			
		[kg/1000 mm <sup>[3]</sup> ]		[kg/2000 mm <sup>[3]</sup> ]	
20	-0,0 +1,0	0,31	■	0,62	■
25		0,48	□	0,96	□
30		0,69	□	1,38	□
35		0,93	□	1,87	□
40		1,22	■	2,44	■
45		1,54	□	3,08	□
50		1,90	□	3,79	■
55		2,29	□	4,58	□
60		2,72	□	5,44	□
70		3,70	■	7,40	□
80		4,82	■	9,64	□
90		6,10	□	12,20	□
100		7,52	■	15,04	□
110		9,09	□	18,18	□
120		10,81	□	21,62	□
125		11,71	□	23,43	□
130		12,68	□	25,36	□
140		14,70	■	29,40	□
150		16,87	□	33,74	□
160		19,18	□	38,36	□
170	21,67	□	43,33	□	
180	24,29	□	48,57	□	
190	27,06	□	54,12	□	
200	29,94	■	59,97	□	
210	33,06	□	66,12	□	
220	36,28	□	72,56	□	
230	39,65	□	79,31	-	
240	43,18	□	86,36	-	

<sup>[1]</sup>: tolerances on the length +5/+7 mm<sup>[2]</sup>: tolerances on the length +15/+17 mm<sup>[3]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity