

TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DS, grey

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm ^[1]]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm ^[1]]	
		skived [kg/pce ^[2]]			skived [kg/pce ^[2]]	
1	-0,0 +0,4	2,31	□	-	-	-
2		3,80	□	-0,0 +0,4	7,75	□
3		5,80	■		10,57	□
4	-0,2 +0,2	7,70	□	-0,2 +0,2	14,09	□
5		9,60	■		17,61	□
6	-0,3 +0,3	11,50	□	-0,3 +0,3	21,13	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm ^[1]]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm ^[1]]	
		pressed [kg/pce ^[2]]			pressed [kg/pce ^[2]]	
8		16,00	■		29,70	■
10		20,00	■		37,00	■
12		24,00	■		44,26	□
15		30,10	■		55,10	■
20		40,10	■		73,30	■
25		50,10	■		91,42	□
30	-0,2 +0,2	60,10	■	-0,0 +0,4	109,60	■
35		70,14	□		127,70	□
40		80,20	■		145,80	■
45		90,18	□		164,00	□
50		100,20	■		182,10	□
60		120,24	■		218,40	□
70		140,30	■		254,66	□
80		160,30	■		291,30	□
90		180,40	■		327,58	□
100		200,40	■		363,86	□
110		220,40	□		400,13	□
120	-0,3 +0,3	240,48	□	-0,0 +0,6	436,41	O.R.
130		260,52	□		-	-
140		280,55	□		-	-
150		300,59	□		-	-

^[1]: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

^[2]: 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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TIVAR® DS, grey

ROUND RODS PRESSED AND TURNED					
Diameters [mm]	Tolerances on the diameters [mm]	TIVAR® DS, grey			
		Standard length: [1000 mm ^[1] / 2000 mm ^[2]]			
		[kg/1000 mm ^[3]]		[kg/2000 mm ^[3]]	
20	-0,0 +1,0	0,31	■	0,65	■
25		0,48	■	0,96	■
30		0,69	■	1,37	■
35		0,93	■	1,85	■
40		1,21	■	2,41	■
45		1,53	□	3,05	□
50		1,88	■	3,75	■
55		2,27	□	4,53	□
60		2,70	■	5,38	■
70		3,66	■	7,31	□
80		4,77	■	9,53	□
90		6,03	■	12,05	□
100		7,44	■	14,85	□
110		8,99	□	–	–
120		10,69	■	–	–
125		11,60	□	–	–
130		12,54	□	–	–
140	14,53	■	–	–	
150	16,68	■	–	–	
160	18,97	□	–	–	
170	21,40	□	–	–	
180	23,99	■	–	–	
190	26,72	□	–	–	
200	29,60	■	–	–	
210	32,62	□	–	–	
220	35,79	□	–	–	
230	39,11	□	–	–	
240	42,58	□	–	–	

^[1]: tolerances on the length +5/+7 mm

^[2]: tolerances on the length +15/+17 mm

^[3]: average production weight

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