

TIVAR® Proprietary Grades



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DS, yellow

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		3,84	□	-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		9,61	□		17,60	□
6	-0,3 +0,3	11,53	□	-0,3 +0,3	21,10	□
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	O.R.		29,75	□
10		20,00	□		37,00	□
12		24,00	□		44,26	□
15		30,10	□		55,14	□
20		40,10	□		73,28	□
25		50,10	□		91,42	□
30	-0,2 +0,2	60,10	□	-0,0 +0,4	109,56	□
35		70,14	□		127,69	□
40		80,20	□		145,83	□
45		90,18	□		163,97	□
50		100,20	□		182,11	□
60		120,24	□		218,39	□
70		140,28	□		254,66	□
80		160,32	□		291,30	□
90		180,36	□		327,58	□
100		200,40	□		363,86	□
110		220,44	□		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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PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm ^[1]]	
[mm]	[mm]	pressed	
		[kg/pce ^[2]]	
10	-0,0 +0,4	122,30	O.R.
12		146,30	O.R.
15		182,30	O.R.
20		242,30	O.R.
25		302,20	O.R.
30		362,20	O.R.
35		422,20	O.R.
40		482,20	O.R.

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

plate size	width	length
2020 x 6150	-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]
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