



TIVAR® PROPRIETARY GRADES

ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE [UHMW-PE]

Borotron® UH015 | UH030 | UH050

PLATES

| Thicknesses [mm] | Tolerances on the thicknesses [mm] | Standard size per piece: [1010 x 2020 mm ^[1]] pressed | | | | Tolerances on the thicknesses [mm] | Standard size per piece: [1220 x 3050 mm ^[1]] pressed | | | |
|---------------------|--|--|--------|--------|------|--|--|--------|--------|------|
| | | UH015 | UH030 | UH050 | | | UH015 | UH030 | UH050 | |
| | | [kg/pce ^[2]] | | | | | [kg/pce ^[2]] | | | |
| 8 | | – | – | – | – | – | – | – | – | |
| 10 | | 20,60 | 21,00 | 21,60 | O.R. | 38,00 | 38,80 | 40,00 | O.R. | |
| 12 | | 24,70 | 25,20 | 26,00 | □ | 45,40 | 46,40 | 47,80 | □ | |
| 15 | | 30,90 | 31,50 | 32,50 | □ | 56,60 | 57,80 | 59,60 | □ | |
| 20 | | 41,20 | 42,00 | 43,30 | □ | 75,20 | 76,80 | 79,20 | □ | |
| 25 | | 51,40 | 52,50 | 54,10 | □ | 93,90 | 95,80 | 98,80 | □ | |
| 30 | -0,2 +0,2 | 61,70 | 63,00 | 64,90 | □ | -0,0 +0,4 | 112,50 | 114,80 | 118,30 | □ |
| 35 | | 72,00 | 73,50 | 75,80 | □ | 131,10 | 133,80 | 137,90 | □ | |
| 40 | | 82,30 | 84,00 | 86,60 | □ | 149,70 | 152,90 | 157,50 | □ | |
| 45 | | 92,60 | 94,50 | 97,40 | □ | 168,40 | 171,90 | 177,10 | □ | |
| 50 | | 102,90 | 105,00 | 108,20 | □ | 187,00 | 190,90 | 196,70 | □ | |
| 60 | | 123,50 | 126,00 | 129,90 | □ | 224,20 | 228,90 | 235,90 | □ | |
| 70 | | 144,00 | 147,00 | 151,50 | □ | 261,50 | 266,90 | 275,10 | □ | |
| 80 | | 164,60 | 168,00 | 173,20 | □ | 299,10 | 305,30 | 314,70 | □ | |
| 90 | | 185,20 | 189,00 | 194,80 | □ | 336,30 | 343,30 | 353,90 | □ | |
| 100 | | 205,80 | 210,00 | 216,50 | □ | 373,60 | 381,40 | 393,00 | □ | |
| 110 | | 226,30 | 231,00 | 238,10 | O.R. | -0,0 +0,6 | 410,80 | 419,40 | 432,20 | O.R. |
| 120 | -0,3 +0,3 | 246,90 | 252,00 | 259,80 | O.R. | 448,10 | 457,40 | 471,40 | O.R. | |
| 130 | | 267,50 | 273,10 | 281,40 | O.R. | – | – | – | – | |
| 140 | | 288,10 | 294,10 | 303,10 | O.R. | – | – | – | – | |
| 150 | | 308,60 | 315,10 | 324,70 | O.R. | – | – | – | – | |

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

| plate size | width | length |
|---------------------------|------------|------------|
| 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.