

# STANDARD THICKNESS TOLERANCES SHEETS

Test method: IEC/EN 60893-2 4.1

| Nominal thickness<br>mm | Etronit  | Etronax                    |                                  | G-Etronax  |                              |
|-------------------------|--|----------------------------|----------------------------------|--|------------------------------|
|                         | I, IR, II, 201 M,<br>201 M S, IIQ, IIQ S,<br>IIQ S AL, IIQ R,<br>IIQ R XX, IV, IV C,<br>201 MBM, MBM, AS | MF, MFG,<br>MFP G,<br>P EP | MMF,<br>MMMFM,<br>MMMFM-<br>PTFE | B, EP 10,<br>EP 203,<br>EP11,<br>EP 215 S,<br>EP S,<br>EP FR4,<br>EP 311, M,<br>PI, SI | PM GPO 3,<br>PM 953,<br>PM H |
| 0.2                     | ± 0.05   | ± 0.10                     | ± 0.10                           | ± 0.06   |                              |
| 0.3                     | ± 0.06   | ± 0.10                     | ± 0.10                           | ± 0.08   |                              |
| 0.4                     | ± 0.07   | ± 0.12                     | ± 0.12                           | ± 0.10   |                              |
| 0.5                     | ± 0.08   | ± 0.14                     | ± 0.13                           | ± 0.12   |                              |
| 0.6                     | ± 0.09   | ± 0.15                     | ± 0.14                           | ± 0.13   |                              |
| 0.8                     | ± 0.10   | ± 0.19                     | ± 0.15                           | ± 0.16   | ± 0.23                       |
| 1.0                     | ± 0.12   | ± 0.20                     | ± 0.16                           | ± 0.18   | ± 0.23                       |
| 1.2                     | ± 0.14   | ± 0.22                     | ± 0.17                           | ± 0.20   | ± 0.23                       |
| 1.6                     | ± 0.16   | ± 0.24                     | ± 0.19                           | ± 0.24   | ± 0.23                       |
| 2.0                     | ± 0.19   | ± 0.26                     | ± 0.21                           | ± 0.28   | ± 0.25                       |
| 2.5                     | ± 0.22   | ± 0.29                     | ± 0.24                           | ± 0.33   | ± 0.30                       |
| 3.0                     | ± 0.25   | ± 0.31                     | ± 0.26                           | ± 0.37   | ± 0.35                       |
| 4.0                     | ± 0.30   | ± 0.36                     | ± 0.32                           | ± 0.45   | ± 0.40                       |
| 5.0                     | ± 0.34   | ± 0.42                     | ± 0.36                           | ± 0.52   | ± 0.55                       |
| 6.0                     | ± 0.37   | ± 0.46                     | ± 0.40                           | ± 0.60   | ± 0.60                       |



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| 8.0                     | ± 0.47   | ± 0.55                     | ± 0.49                           | ± 0.72   | ± 0.70                       |
| 10.0                    | ± 0.55   | ± 0.63                     | ± 0.56                           | ± 0.82   | ± 0.80                       |
| 12.0                    | ± 0.62   | ± 0.70                     | ± 0.64                           | ± 0.90   | ± 0.90                       |
| 14.0                    | ± 0.69   | ± 0.78                     | ± 0.70                           | ± 1.02   | ± 1.00                       |
| 16.0                    | ± 0.75   | ± 0.85                     | ± 0.76                           | ± 1.12   | ± 1.10                       |
| 20.0                    | ± 0.86   | ± 0.95                     | ± 0.87                           | ± 1.30   | ± 1.30                       |
| 25.0                    | ± 1.00   | ± 1.10                     | ± 1.02                           | ± 1.50   | ± 1.40                       |
| 30.0                    | ± 1.15   | ± 1.22                     | ± 1.12                           | ± 1.70   | ± 1.45                       |
| 35.0                    | ± 1.25   | ± 1.34                     | ± 1.24                           | ± 1.95   | ± 1.50                       |
| 40.0                    | ± 1.35   | ± 1.45                     | ± 1.35                           | ± 2.10   | ± 1.55                       |
| 45.0                    | ± 1.45   | ± 1.55                     | ± 1.45                           | ± 2.30   | ± 1.65                       |
| 50.0                    | ± 1.55   | ± 1.65                     | ± 1.55                           | ± 2.45   | ± 1.75                       |
| 60.0                    | ± 1.60   | ± 1.70                     |                                  | ± 2.45   | ± 1.90                       |
| 70.0                    | ± 1.70   | ± 1.70                     |                                  | ± 2.45   | ± 2.00                       |
| 80.0                    | ± 1.80   | ± 1.80                     |                                  | ± 2.50   | ± 2.20                       |
| 90.0                    | ± 2.00   | ± 2.00                     |                                  | ± 2.60   | ± 2.35                       |
| 100.0                   | ± 2.00   | ± 2.10                     |                                  | ± 2.70   | ± 2.50                       |

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## SHEET SIZES

| Grades   | Thickness<br>mm | Sizes<br>mm                  |
|--|-----------------|------------------------------|
| Etronit: All types except Etronit MBM & 201 MBM                                    | 0.15-150        | 1250 x 1250<br>& 1250 x 2500 |
| Etronit MBM & 201 MBM  | 1.5-150         | 1250 x 1250<br>& 1250 x 2500 |
| Etronax MF   | 0.2-0.9         | 1250 x 1250<br>& 1250 x 2500 |
|  | 1-32            | 1250 x 1350<br>& 1250 x 2750 |
|  | 33-80           | 1050 x 2050                  |
|  | 81-150          | 1050 x 1250                  |
| Etronax MMF  | 0.2-150         | 1250 x 1250<br>& 1250 x 2500 |
| Etronax MMMF & MMMF PTFE   | 0.5-150         | 1250 x 1250<br>& 1250 x 2500 |
| Etronax MF G & MFP G   | 1-50            | 1250 x 1250<br>& 1250 x 2500 |
| Etronax P EP   | 2-150           | 1250 x 1250<br>& 1250 x 2500 |
| G-Etronax B, EP 10, EP 203,<br>EP 11, EP 215 S, EP S, EP FR4,<br>EP 311, M, PI, SI | 0.15-150        | 1250 x 1250<br>& 1250 x 2500 |
| G-Etronax PM GPO3<br>& G-Etronax PM 953  | 0.8-50          | 1220 x 1220<br>& 1220 x 2440 |
| G-Etronax PM H   | 2-100           | 1030 x 2030                  |

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## STANDARD FLATNESS TOLERANCES SHEETS

IEC/EN 60893-2 4.2

| Thickness mm   | Length       |               |
|----------------|--------------|---------------|
|                | 1000 mm      | 500 mm        |
| $3 < t \leq 6$ | $\leq 10$ mm | $\leq 2.5$ mm |
| $6 < t \leq 8$ | $\leq 8$ mm  | $\leq 2$ mm   |
| $8 < t$        | $\leq 6$ mm  | $\leq 1.5$ mm |

The flatness and thickness tolerances are standard according to IEC/EN 60893.  
Other tolerances on request.

With regard to updated and current  
technical properties, we refer to  
[www.elektro-isola.com](http://www.elektro-isola.com)

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