



# Platta i PA6.6 GF30 3000x610x15 mm svart

Artikelnr P1200111  
Material PA

## 1. Tekniskt datablad

| Egenskap                          | Värde             | Enhet               | Standard    |
|-----------------------------------|-------------------|---------------------|-------------|
| Densitet                          | 1.3               | g/cm³               | ISO 1183    |
| Sträckgränsspänning               | 100               | MPa                 | ISO 527     |
| Elasticitetsmodul (drag)          | 5900              | MPa                 | ISO 527-2   |
| Brottspänning                     | 100               | MPa                 | ISO 527-2   |
| Brotttöjning                      | 5                 | %                   | ISO 527-2   |
| Smältpunkt                        | 257.5             | °C                  | ISO 3146    |
| Maximal drifttemperatur (korttid) | 175               | °C                  | UL746B      |
| Maximal drifttemperatur           | 120               | °C                  |             |
| Minsta temperatur                 | -20               | °C                  |             |
| Värmeförvrängning (HDT/A)         | 150               | °C                  | ISO 75-2    |
| Värmeförvrängning (HDT/B)         | 250               | °C                  | ISO 75      |
| Dielektrisk styrka                | 30                | kV/mm               | IEC 60243-1 |
| Volymresistivitet                 | ~10 <sup>14</sup> | Ω·cm                | IEC 60093   |
| Dielektrisk konstant (1 MHz)      | 3.6               | -                   | IEC 60250   |
| Dielektrisk förlustfaktor (1 MHz) | 0.0               | -                   | IEC 60250   |
| Termisk konduktivitet             | 0.31              | W/(m·K)             | DIN 52612   |
| Ytresistivitet                    | ~10 <sup>13</sup> | Ω                   | IEC 60093   |
| Jämförande krypströmsindex (CTI)  | 475               | V                   | IEC 60112   |
| Fuktabsorption till mättnad       | 3.6               | %                   | ISO 62      |
| Vattenabsorption till mättnad     | 5.5               | %                   | ISO 62      |
| Skårad slagseghet (Charpy)        | 6                 | kJ/m²               | ISO 179/1eA |
| Slagseghet (Charpy)               | 50                | kJ/m²               | ISO 179/1eU |
| Termisk utvidgningskoefficient    | 0.5               | 10 <sup>-4</sup> /K | ISO 11359   |
| Hårdhet Shore D                   | 85                | ° Shore D           | ISO 868     |
| Kultryckshårdhet                  | 165               | MPa                 | ISO 2039-1  |

## 2. Kemisk beständighet

● Beständig   ● Delvis beständig   ● Ej beständig

| Kemikalie               | Konc.   | Resultat       |
|-------------------------|---------|----------------|
| 1,4-Dioxan              | 100     | <span>●</span> |
| 2-Hydroxypropionic Acid | 90      | <span>●</span> |
| Acetic Acid             | 100     | <span>●</span> |
| Aceton                  | 100     | <span>●</span> |
| Ammoniak                | conc.   | <span>●</span> |
| Ammonium Chloride       | -       | <span>●</span> |
| Amyl Alcohol            | -       | <span>●</span> |
| Apple Juice             | -       | <span>●</span> |
| Bensen                  | -       | <span>●</span> |
| Bleaching Solution      | 12.5 cl | <span>●</span> |
| Boric Acid              | 100     | <span>●</span> |
| Brake Fluid             | -       | <span>●</span> |
| Bränsle (aromatfritt)   | -       | <span>●</span> |
| Butyl Acetate           | -       | <span>●</span> |
| Calcium Chloride        | -       | <span>●</span> |
| Carbon Disulfide        | 100     | <span>●</span> |
| Carbon Tetrachloride    | -       | <span>●</span> |
| Citric Acid             | 10      | <span>●</span> |
| Cyklohexanon            | 100     | <span>●</span> |
| Cyklohexen              | 100     | <span>●</span> |
| Diesel Fuel             | -       | <span>●</span> |
| Diethylene Oxide        | -       | <span>●</span> |
| Ethyl Acetate           | 100     | <span>●</span> |
| Ethyl Alcohol           | 96      | <span>●</span> |
| Ethylene Chloride       | 100     | <span>●</span> |
| Fenol (vattenl.)        | ca. 9   | <span>●</span> |
| Food Oil                | -       | <span>●</span> |
| Formaldehyd (vattenl.)  | 40      | <span>●</span> |
| Formic Acid             | 10      | <span>●</span> |
| Frost Protection Agent  | -       | <span>●</span> |
| Glycerin                | 100     | <span>●</span> |
| Glykol                  | 100     | <span>●</span> |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
| Heating Oil                      | -         | ●        |
| Heptan                           | 100       | ●        |
| Hydrochloric Acid                | 10        | ●        |
| Hydrochloric Acid (concentrated) | conc.     | ●        |
| Hydrofluoric Acid                | 40        | ●        |
| Hydrogen Peroxide                | 10        | ●        |
| Hydrogen Sulfide (aqueous)       | -         | ●        |
| Isopropyl Alcohol                | 100       | ●        |
| Klor (gas)                       | 100       | ●        |
| Klorbensen                       | 100       | ●        |
| Kloroform                        | -         | ●        |
| Kresol                           | -         | ●        |
| Linseed Oil                      | -         | ●        |
| Merkurokrom                      | -         | ●        |
| Methyl Alcohol                   | 100       | ●        |
| Methyl Ethyl Ketone (MEK)        | 100       | ●        |
| Methylene Chloride               | 100       | ●        |
| Mineral Oils (aromatic free)     | -         | ●        |
| Mjölk                            | -         | ●        |
| Nitric Acid                      | 10        | ●        |
| Nitric Acid                      | 50        | ●        |
| Nitrobensen                      | -         | ●        |
| Oxalic Acid                      | -         | ●        |
| Ozone Gas                        | ≤ 0.5 ppm | ●        |
| Paraffine Oil                    | 100       | ●        |
| Perkloretylen                    | -         | ●        |
| Petroleum                        | 100       | ●        |
| Petroleum Ether                  | 100       | ●        |
| Phosphoric Acid                  | 50        | ●        |
| Potassium Hydroxide liquor       | 50        | ●        |
| Premium Fuel                     | -         | ●        |
| Propyl Alcohol                   | -         | ●        |
| Pyridin                          | -         | ●        |
| Silicone Oil                     | -         | ●        |
| Sodium Carbonate (aqueous)       | -         | ●        |

| Kemikalie                 | Konc.  | Resultat |
|---------------------------|--------|----------|
| Sodium Chloride (aqueous) | -      | ●        |
| Sodium Hydrogen Sulfite   | -      | ●        |
| Sodium Hydroxide liquor   | 60     | ●        |
| Sodium Hydroxide liquor   | 15     | ●        |
| Sodium Nitrate (aqueous)  | -      | ●        |
| Sodium Thiosulfate        | -      | ●        |
| Sulfuric Acid             | 96     | ●        |
| Tetrahydrofuran (THF)     | 100    | ●        |
| Toluen                    | 100    | ●        |
| Transformer Oil           | -      | ●        |
| Trikloreten               | 100    | ●        |
| Vatten                    | -      | ●        |
| Xylen                     | -      | ●        |
| Ättika (standard)         | 5 - 10 | ●        |