



PP-H 3000x1500x3 mm natur

Artikelnr P1200932  
Material PP

1. Tekniskt datablad

| Egenskap                                   | Värde            | Enhet   | Standard         |
|--------------------------------------------|------------------|---------|------------------|
| Density                                    | 0.91             | g/cm³   | ISO 1183         |
| Tensile Strength                           | 36               | MPa     | ISO 527          |
| Modulus of elasticity (tensile)            | 1700             | MPa     | ISO 527-2        |
| Breakdown Voltage                          | 30               | MPa     | ISO 527          |
| Break Elongation                           | 8                | %       | ISO 527-2        |
| Melting point                              | 161              | °C      | DIN EN ISO 11357 |
| Maximal operating temperature (short-term) | 127              | °C      | UL746B           |
| Maximum Operating Temperature              | 80               | °C      |                  |
| Minimum temperature                        | -7               | °C      |                  |
| Heat deflection temperature (HDT/A)        | 54               | °C      | ISO 75           |
| Heat deflection temperature (HDT/B)        | 90               | °C      | ISO 75           |
| Vicat softening temperature (VST/B/50)     | 50               | °C      | ISO 306          |
| Dielectric Strength                        | 40               | kV/mm   | IEC 60243-1      |
| Volume Resistivity                         | 10 <sup>14</sup> | Ω       | DIN EN 62631-3-1 |
| Dielectric Constant (1 MHz)                | 2.4              | -       | IEC 60250        |
| Dielectric loss factor (1 MHz)             | 13.4             | -       | IEC 60250        |
| Dielectric loss factor (100 Hz)            | 0.0              | -       | IEC 60250        |
| Flammability Classification (UL 94)        | 60695            |         | UL 94            |
| Flexural Strength                          | 37               | MPa     | DIN EN ISO 527-2 |
| Thermal Conductivity                       | 0.27             | W/(m·K) | ISO 22007-4      |
| Surface Resistivity                        | 10 <sup>13</sup> | Ω       | IEC 60093        |
| Comparative Tracking Index (CTI)           | 600              | V       | IEC 60112        |
| Water absorption to saturation             | 0.2              | %       | ISO 62           |
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| Notched impact strength (Charpy)           | 9                | kJ/m²   | ISO 179/1eA      |

| Egenskap                      | Värde | Enhet               | Standard    |
|-------------------------------|-------|---------------------|-------------|
| Impact Resistance (Charpy)    | 7.7   | kJ/m²               | ISO 179     |
| Thermal Expansion Coefficient | 1.6   | 10 <sup>-4</sup> /K | ISO 11359-2 |
| Hardness Shore D              | 72    | ° Shore D           | ISO 868     |
| Ball pressure hardness        | 110   | MPa                 | ISO 2039    |

## 2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

| Kemikalie                             | Konc. | Resultat |
|---------------------------------------|-------|----------|
| 1,4-Dioxane                           | 100   | ●        |
| 2-Hydroxypropionic acid (lactic acid) | 90    | ●        |
| Acetic acid                           | 100   | ●        |
| Acetone                               | 100   | ●        |
| Ammonia                               | -     | ●        |
| Ammonium chloride                     | -     | ●        |
| Amyl alcohol                          | -     | ●        |
| Benzene                               | -     | ●        |
| Bleaching solution                    | -     | ●        |
| Boric acid                            | 100   | ●        |
| Brake fluid                           | -     | ●        |
| Butyl acetate                         | -     | ●        |
| Calcium chloride                      | -     | ●        |
| Carbon disulphide                     | 100   | ●        |
| Carbon tetrachloride                  | -     | ●        |
| Chlorine (gas)                        | 100   | ●        |
| Chlorobenzene                         | 100   | ●        |
| Chloroform                            | -     | ●        |
| Citric acid                           | 10    | ●        |
| Cresol                                | -     | ●        |
| Cyclohexanone                         | 100   | ●        |
| Cyclohexene                           | 100   | ●        |
| Diesel                                | -     | ●        |
| Diethylene oxide                      | -     | ●        |
| Ethyl acetate                         | 100   | ●        |
| Ethyl alcohol (ethanol)               | 96    | ●        |

| Kemikalie                        | Konc.     | Resultat |
|----------------------------------|-----------|----------|
| Ethylene chloride                | 100       | ●        |
| Food oil                         | -         | ●        |
| Formaldehyde, aqueous            | 40        | ●        |
| Formic acid                      | 10        | ●        |
| Frost protection agent           | -         | ●        |
| Fuel oil                         | -         | ●        |
| Fuel, aromatic free              | -         | ●        |
| Glycerine                        | 100       | ●        |
| Glycol                           | 100       | ●        |
| Heptane                          | 100       | ●        |
| Hydrochloric acid                | 10        | ●        |
| Hydrochloric acid (concentrated) | -         | ●        |
| Hydrofluoric acid                | 40        | ●        |
| Hydrogen peroxide                | 10        | ●        |
| Hydrogen sulfide, aqueous        | -         | ●        |
| Isopropyl alcohol                | 100       | ●        |
| Linseed oil                      | -         | ●        |
| Mercurochrome                    | -         | ●        |
| Methyl alcohol (methanol)        | 100       | ●        |
| Methyl ethyl ketone (MEK)        | 100       | ●        |
| Methylene chloride               | 100       | ●        |
| Milk                             | -         | ●        |
| Mineral oils (aromatic free)     | -         | ●        |
| Nitric acid                      | 50        | ●        |
| Nitric acid                      | 10        | ●        |
| Nitrobenzene                     | -         | ●        |
| Oxalic acid                      | -         | ●        |
| Ozone (gas)                      | ≤ 0.5 ppm | ●        |
| Paraffin oil                     | 100       | ●        |
| Perchloroethylene                | -         | ●        |
| Petroleum ether                  | 100       | ●        |
| Phenol, aqueous                  | ca. 9     | ●        |
| Phosphoric acid                  | 50        | ●        |
| Potassium hydroxide solution     | 50        | ●        |
| Premium fuel                     | -         | ●        |

| Kemikalie                                | Konc.  | Resultat |
|------------------------------------------|--------|----------|
| Propyl alcohol                           | -      | ●        |
| Pyridine                                 | -      | ●        |
| Silicone oil                             | -      | ●        |
| Sodium carbonate, aqueous                | -      | ●        |
| Sodium chloride, aqueous                 | -      | ●        |
| Sodium hydrogen sulfite                  | -      | ●        |
| Sodium hydroxide solution (caustic soda) | 15     | ●        |
| Sodium hydroxide solution (caustic soda) | 60     | ●        |
| Sodium nitrate, aqueous                  | -      | ●        |
| Sodium thiosulfate                       | -      | ●        |
| Sulphuric acid                           | 96     | ●        |
| Tetrahydrofuran (THF)                    | 100    | ●        |
| Toluene                                  | 100    | ●        |
| Transformer oil                          | -      | ●        |
| Trichloroethylene                        | 100    | ●        |
| Vinegar, standard                        | 5 - 10 | ●        |
| Water                                    | -      | ●        |
| Xylene                                   | -      | ●        |