



PP-C 4120x2010x20 mm natur

Artikelnr P2201606  
Material PP

1. Tekniskt datablad

| Egenskap                                   | Värde            | Enhet               | Standard          |
|--------------------------------------------|------------------|---------------------|-------------------|
| Density                                    | 0.9              | g/cm³               | DIN EN ISO 1183-1 |
| Tensile Strength                           | 24               | MPa                 | DIN EN ISO 527    |
| Modulus of elasticity (tensile)            | 1241.2           | MPa                 | DIN EN ISO 527    |
| Break Elongation                           | 50               | %                   | DIN EN ISO 527    |
| Melting point                              | 164              | °C                  | ISO 11357-3       |
| Maximal operating temperature (short-term) | 116              | °C                  |                   |
| Maximum Operating Temperature              | 75               | °C                  |                   |
| Minimum temperature                        | -23              | °C                  |                   |
| Vicat softening temperature (VST/B/50)     | 87               | °C                  | DIN EN ISO 306    |
| Dielectric Strength                        | 40               | kV/mm               | IEC 60243         |
| Volume Resistivity                         | 10 <sup>14</sup> | Ω·cm                | DIN EN 62631-3-1  |
| Dielectric Constant (1 MHz)                | 2.48             | -                   | IEC 60250         |
| Dielectric loss factor (1 MHz)             | 0.0              | -                   | IEC 60250         |
| Dielectric loss factor (100 Hz)            | 0.0              | -                   | IEC 60250         |
| Thermal Conductivity                       | 0.2              | W/(m·K)             | DIN 52612-1       |
| Surface Resistivity                        | 10 <sup>14</sup> | Ω                   | DIN EN 62631-3-2  |
| Comparative Tracking Index (CTI)           | 600              | V                   | IEC 60112         |
| Water absorption to saturation             | 0.1              | %                   | DIN EN ISO 62     |
| Water Absorption to Saturation             | 0.1              | %                   | DIN EN ISO 62     |
| Notched impact strength (Charpy)           | 4                | kJ/m²               | DIN EN ISO 179    |
| Thermal Expansion Coefficient              | 0.0              | 10 <sup>-4</sup> /K | DIN 53752         |
| Hardness Shore D                           | 67.25            | ° Shore D           | DIN EN ISO 868    |
| Ball pressure hardness                     | 50               | MPa                 | DIN EN ISO 2039-1 |

2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

| Kemikalie               | Konc. | Resultat         |
|-------------------------|-------|------------------|
| 1,4-Dioxane             | 100   | Delvis beständig |
| 2-Hydroxypropionic Acid | 90    | Beständig        |
| Acetic Acid             | 100   | Beständig        |
| Acetone                 | 100   | Beständig        |
| Ammonia                 | -     | Beständig        |
| Ammonium Chloride       | -     | Beständig        |
| Amyl Alcohol            | -     | Beständig        |
| Apple Juice             | -     | Beständig        |
| Benzene                 | -     | Delvis beständig |
| Bleaching Solution      | -     | Delvis beständig |
| Boric Acid              | 100   | Beständig        |
| Brake Fluid             | -     | Beständig        |
| Butyl Acetate           | -     | Delvis beständig |
| Calcium Chloride        | -     | Beständig        |
| Carbon Disulfide        | 100   | Delvis beständig |
| Carbon Tetrachloride    | -     | Ej beständig     |
| Chlorine (gas)          | 100   | Ej beständig     |
| Chlorobenzene           | 100   | Beständig        |
| Chloroform              | -     | Delvis beständig |
| Citric Acid             | 10    | Beständig        |
| Cresol                  | -     | Beständig        |
| Cyclohexanone           | 100   | Beständig        |
| Cyclohexene             | 100   | Beständig        |
| Diesel Fuel             | -     | Beständig        |
| Diethylene Oxide        | -     | Delvis beständig |
| Ethyl Acetate           | 100   | Beständig        |
| Ethyl Alcohol           | 96    | Beständig        |
| Ethylene Chloride       | 100   | Beständig        |
| Food Oil                | -     | Beständig        |
| Formaldehyde, aqueous   | 40    | Beständig        |
| Formic Acid             | 10    | Beständig        |
| Frost Protection Agent  | -     | Beständig        |
| Fuel, aromatic free     | -     | Beständig        |
| Glycerine               | 100   | Beständig        |

| Kemikalie                          | Konc.     | Resultat |
|------------------------------------|-----------|----------|
| Glycol                             | 100       | ●        |
| Heating Oil                        | -         | ●        |
| Heptane                            | 100       | ●        |
| Hydrochloric Acid                  | 10        | ●        |
| Hydrochloric Acid (concentrated)   | -         | ●        |
| Hydrofluoric Acid                  | 40        | ●        |
| Hydrogen Peroxide                  | 10        | ●        |
| Hydrogen Sulfide, aqueous solution | -         | ●        |
| Isopropyl Alcohol                  | 100       | ●        |
| Linseed Oil                        | -         | ●        |
| Mercurochrome                      | -         | ●        |
| Methyl Alcohol                     | 100       | ●        |
| Methyl Ethyl Ketone (MEK)          | 100       | ●        |
| Methylene Chloride                 | 100       | ●        |
| Milk                               | -         | ●        |
| Mineral Oils (aromatic free)       | -         | ●        |
| Nitric Acid                        | 10        | ●        |
| Nitric Acid                        | 50        | ●        |
| Nitrobenzene                       | -         | ●        |
| Oxalic Acid                        | -         | ●        |
| Ozone Gas                          | ≤ 0.5 ppm | ●        |
| Paraffine Oil                      | 100       | ●        |
| Perchloroethylene                  | -         | ●        |
| Petroleum                          | 100       | ●        |
| Petroleum Ether                    | 100       | ●        |
| Phenol, aqueous                    | ca. 9     | ●        |
| Phosphoric Acid                    | 50        | ●        |
| Potassium Hydroxide liquor         | 50        | ●        |
| Premium Fuel                       | -         | ●        |
| Propyl Alcohol                     | -         | ●        |
| Pyridine                           | -         | ●        |
| Silicone Oil                       | -         | ●        |
| Sodium Carbonate, aqueous          | -         | ●        |
| Sodium Chloride, aqueous           | -         | ●        |

| Kemikalie               | Konc.  | Resultat |
|-------------------------|--------|----------|
| Sodium Hydrogen Sulfite | -      | ●        |
| Sodium Hydroxide liquor | 15     | ●        |
| Sodium Hydroxide liquor | 60     | ●        |
| Sodium Nitrate, aqueous | -      | ●        |
| Sodium Thiosulfate      | -      | ●        |
| Sulfuric Acid           | 96     | ●        |
| Tetrahydrofuran (THF)   | 100    | ●        |
| Toluene                 | 100    | ●        |
| Transformer Oil         | -      | ●        |
| Trichloroethylene       | 100    | ●        |
| Vinegar, standard       | 5 - 10 | ●        |
| Water                   | -      | ●        |
| Xylene                  | -      | ●        |