



POM H 50x3000 mm natur

Artikelnr P1008657  
Material POM

1. Tekniskt datablad

| Egenskap                                   | Värde            | Enhet               | Standard           |
|--------------------------------------------|------------------|---------------------|--------------------|
| Density                                    | 3                | g/cm³               | DIN EN ISO 1183-1  |
| Tensile Strength                           | 53               | MPa                 | DIN EN ISO 527-2   |
| Modulus of elasticity (tensile)            | 3000             | MPa                 | DIN EN ISO 527-2   |
| Break Elongation                           | 8                | %                   | DIN EN ISO 527-2   |
| Melting point                              | 179              | °C                  | DIN EN ISO 11357   |
| Maximal operating temperature (short-term) | 150              | °C                  |                    |
| Maximum Operating Temperature              | 110              | °C                  |                    |
| Heat deflection temperature (HDT/A)        | 141              | °C                  |                    |
| Vicat softening temperature (VST/B/50)     | 90               | °C                  | DIN EN ISO 306     |
| Dielectric Strength                        | 23               | kV/mm               | ISO 60243-1        |
| Volume Resistivity                         | 10 <sup>14</sup> | Ω                   | DIN EN 62631-3-1   |
| Dielectric Constant (1 MHz)                | 2.4              | -                   | IEC 60250          |
| Flammability Classification (UL 94)        | 60695            |                     | UL 94              |
| Flexural Strength                          | 53               | MPa                 | DIN EN ISO 527-2   |
| Thermal Conductivity                       | 0.46             | W/(m·K)             | ISO 22007-4        |
| Surface Resistivity                        | 10 <sup>14</sup> | Ω                   | DIN EN 62631-3-2   |
| Water absorption to saturation             | 0.1              | %                   | DIN EN ISO 62      |
| Notched impact strength (Charpy)           | 25               | kJ/m²               | DIN EN ISO 179-1   |
| Impact Resistance (Charpy)                 | 2                | kJ/m²               | DIN EN ISO 179-1   |
| Thermal Expansion Coefficient              | 23               | 10 <sup>-4</sup> /K | DIN EN ISO 11359-1 |
| Hardness Shore D                           | 81               | ° Shore D           | DIN EN ISO 868     |

2. Kemisk beständighet

Beständig Delvis beständig Ej beständig

| Kemikalie | Konc. | Resultat |
|-----------|-------|----------|
|-----------|-------|----------|

| Kemikalie               | Konc.   | Resultat    |
|-------------------------|---------|-------------|
| 1,4-Dioxane             | 100%    | <div></div> |
| 2-Hydroxypropionic Acid | 90%     | <div></div> |
| Acetic Acid             | 100%    | <div></div> |
| Acetone                 | 100%    | <div></div> |
| Ammonia                 | conc.   | <div></div> |
| Ammonium Chloride       | -       | <div></div> |
| Amyl Alcohol            | -       | <div></div> |
| Apple Juice             | -       | <div></div> |
| Benzene                 | -       | <div></div> |
| Bleaching Solution      | 12.5 cl | <div></div> |
| Boric Acid              | 100%    | <div></div> |
| Brake Fluid             | -       | <div></div> |
| Butyl Acetate           | -       | <div></div> |
| Calcium Chloride        | -       | <div></div> |
| Carbon Disulfide        | 100%    | <div></div> |
| Carbon Tetrachloride    | -       | <div></div> |
| Chlorine (gas)          | 100%    | <div></div> |
| Chlorobenzene           | 100%    | <div></div> |
| Chloroform              | -       | <div></div> |
| Citric Acid             | 10%     | <div></div> |
| Cresol                  | -       | <div></div> |
| Cyclohexanone           | 100%    | <div></div> |
| Cyclohexene             | 100%    | <div></div> |
| Diesel Fuel             | -       | <div></div> |
| Diethylene Oxide        | -       | <div></div> |
| Ethyl Acetate           | 100%    | <div></div> |
| Ethyl Alcohol           | 96%     | <div></div> |
| Ethylene Chloride       | 100%    | <div></div> |
| Food Oil                | -       | <div></div> |
| Formaldehyde, aqueous   | 40%     | <div></div> |
| Formic Acid             | 10%     | <div></div> |
| Frost Protection Agent  | -       | <div></div> |
| Fuel, aromatic free     | -       | <div></div> |
| Glycerine               | 100%    | <div></div> |

| Kemikalie                          | Konc.    | Resultat |
|------------------------------------|----------|----------|
| Glycol                             | 100%     | ●        |
| Heating Oil                        | -        | ●        |
| Heptane                            | 100%     | ●        |
| Hydrochloric Acid                  | 10%      | ●        |
| Hydrochloric Acid (concentrated)   | conc.    | ●        |
| 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%)                  | 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           | -        | ●        |
| Sodium Hydrogen Sulfite            | -        | ●        |

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