



# POM H 1000x500x25 mm natur

Artikelnr P1008746

## 1. Tekniskt datablad

| Egenskap                                   | V rde   | Enhet      | Standard           |
|--------------------------------------------|---------|------------|--------------------|
| Density                                    | 3       | g/cm       | 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      |            | 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      |            | DIN EN 62631-3-2   |
| Water absorption to saturation             | 0.1     | %          | DIN EN ISO 62      |
| Notched impact strength (Charpy)           | 25      | kJ/m       | DIN EN ISO 179-1   |
| Impact Resistance (Charpy)                 | 2       | kJ/m       | DIN EN ISO 179-1   |
| Thermal Expansion Coefficient              | 23      | 10     /K  | DIN EN ISO 11359-1 |
| Hardness Shore D                           | 81      |    Shore D | DIN EN ISO 868     |

## 2. Kemisk best  ndighet

   Best  ndig    Delvis best  ndig    Ej best  ndig

| Kemikalie   | Konc. | Resultat |
|-------------|-------|----------|
| 1,4-Dioxane | 100%  |          |

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

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

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