



# PVC U 2000x1000x4 mm grÅ¥

Artikelnr P1201165

## 1. Tekniskt datablad

| Egenskap                                   | VÅorde | Enhet      | Standard         |
|--------------------------------------------|--------|------------|------------------|
| Density                                    | 1.53   | g/cmÅ³     | ASTM D792        |
| Tensile Strength                           | 48.8   | MPa        | ASTM D638        |
| Modulus of elasticity (tensile)            | 2669   | MPa        | ASTM D638        |
| Breakdown Voltage                          | 40     | MPa        | ISO 527          |
| Break Elongation                           | 14     | %          | ISO 527          |
| Melting point                              | 189.2  | Å°C        | ASTM D3418       |
| Maximal operating temperature (short-term) | 93.3   | Å°C        | UL 746B          |
| Maximum Operating Temperature              | 60     | Å°C        |                  |
| Minimum temperature                        | -15    | Å°C        | UL 746B          |
| Heat deflection temperature (HDT/A)        | 106.7  | Å°C        | ASTM D648        |
| Vicat softening temperature (VST/B/50)     | 75     | Å°C        | ISO 306          |
| Dielectric Strength                        | 40     | kV/mm      | IEC 60243-1      |
| Volume Resistivity                         | 10Å¹âµ | Î©Å-cm     | DIN EN 62631-3-1 |
| Dielectric Constant (1 MHz)                | 3.1    | -          | IEC 60250        |
| Dielectric Constant (100 Hz)               | 3.2    | -          | IEC 60250        |
| Dielectric loss factor (1 MHz)             | 0.0    | -          | IEC 60250        |
| Flexural Strength                          | 73.1   | MPa        | ASTM D790        |
| Thermal Conductivity                       | 0.14   | W/(mÅ·K)   | ISO 22007-4      |
| Surface Resistivity                        | 10Å¹Å³ | Î©         | DIN EN 62631-3-2 |
| Comparative Tracking Index (CTI)           | 600    | V          | IEC 60112        |
| Water absorption to saturation             | 0.5    | %          | ASTM D570        |
| Water Absorption to Saturation             | 0.5    | %          | ASTM D570        |
| Notched impact strength (Charpy)           | 4      | kJ/mÅ²     | ISO 179          |
| Impact Resistance (Charpy)                 | 550    | kJ/mÅ²     | DIN EN ISO 8256  |
| Thermal Expansion Coefficient              | 1.03   | 10â»â°/K   | ASTM D696        |
| Hardness Shore D                           | 85     | Å° Shore D | ASTM D2240       |

| Egenskap               | V rde | Enhet | Standard |
|------------------------|-------|-------|----------|
| Ball pressure hardness | 100   | MPa   | ISO 2039 |

2. Kemisk best ndighet

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

| Kemikalie                             | Konc.   | Resultat       |
|---------------------------------------|---------|----------------|
| 1,4-Dioxane                           | 100%    | <span>●</span> |
| 2-Hydroxypropionic acid (lactic acid) | 90%     | <span>●</span> |
| Acetic acid                           | 100%    | <span>●</span> |
| Acetone                               | 100%    | <span>●</span> |
| Ammonia                               | conc.   | <span>●</span> |
| Ammonium chloride                     |         | <span>●</span> |
| Amyl alcohol                          |         | <span>●</span> |
| Apple juice                           |         | <span>●</span> |
| Benzene                               |         | <span>●</span> |
| Bleaching solution                    | 12.5 cl | <span>●</span> |
| Boric acid                            | 100%    | <span>●</span> |
| Brake fluid                           |         | <span>●</span> |
| Butyl acetate                         |         | <span>●</span> |
| Calcium chloride                      |         | <span> </span> |
| Carbon disulphide                     | 100%    | <span> </span> |
| Carbon tetrachloride                  |         | <span> </span> |
| Chlorine (gas)                        | 100%    | <span> </span> |
| Chlorobenzene                         | 100%    | <span> </span> |
| Chloroform                            |         | <span> </span> |
| Citric acid                           | 10%     | <span> </span> |
| Cresol                                |         | <span> </span> |
| Cyclohexanone                         | 100%    | <span> </span> |
| Cyclohexene                           | 100%    | <span> </span> |
| Diesel                                |         | <span> </span> |
| Diethylene oxide                      |         | <span> </span> |
| Ethyl acetate                         | 100%    | <span> </span> |
| Ethyl alcohol (ethanol)               | 96%     | <span> </span> |
| Ethylene chloride                     | 100%    | <span> </span> |
| Food oil                              |         | <span> </span> |
| Formaldehyde (aqueous)                | 40%     | <span> </span> |

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

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