



# PVC U 50x2000 mm punainen

Artikelnr P1201139  
Material PVC

## 1. Tekniskt datablad

| Egenskap                                      | Värde            | Enhet             | Standard         |
|-----------------------------------------------|------------------|-------------------|------------------|
| Tiheys                                        | 1.53             | g/cm <sup>3</sup> | ASTM D792        |
| Venymisrajan jännitys                         | 48.8             | MPa               | ASTM D638        |
| Joustavuusmoduli (vetolujuus)                 | 2669             | MPa               | ASTM D638        |
| Murtolujuus                                   | 40               | MPa               | ISO 527          |
| Murtovenymä                                   | 14               | %                 | ISO 527          |
| Sulamispiste                                  | 189.2            | °C                | ASTM D3418       |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 93.3             | °C                | UL 746B          |
| Maksimi käyttölämpötila                       | 60               | °C                |                  |
| Alin lämpötila                                | -15              | °C                | UL 746B          |
| Lämpökäyrä (HDT/A)                            | 106.7            | °C                | ASTM D648        |
| Vicat-pehmenemislämpötila (VST/B/50)          | 75               | °C                | ISO 306          |
| Dielektrinen voimakkuus                       | 40               | kV/mm             | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>15</sup> | Ω·cm              | DIN EN 62631-3-1 |
| Dielektrinen vakio (1 MHz)                    | 3.1              | -                 | IEC 60250        |
| Dielektrinen vakio (100 Hz)                   | 3.2              | -                 | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0              | -                 | IEC 60250        |
| Taivutuslujuus                                | 73.1             | MPa               | ASTM D790        |
| Lämmönjohtavuus                               | 0.14             | W/(m·K)           | ISO 22007-4      |
| Pintaresistanssi                              | 10 <sup>13</sup> | Ω                 | DIN EN 62631-3-2 |
| Vertailukulkemisindeksi (CTI)                 | 600              | V                 | IEC 60112        |
| Imeytymisen maksimointi                       | 0.5              | %                 | ASTM D570        |
| Vesihaku kyllästymiseen                       | 0.5              | %                 | ASTM D570        |
| Särkyäkesto (Charpy)                          | 4                | kJ/m <sup>2</sup> | ISO 179          |
| Iskunkestävyys (Charpy)                       | 550              | kJ/m <sup>2</sup> | DIN EN ISO 8256  |

| Egenskap               | Värde | Enhet               | Standard   |
|------------------------|-------|---------------------|------------|
| Lämpölaajenemiskerroin | 1.03  | 10 <sup>-4</sup> /K | ASTM D696  |
| Kovuus Shore D         | 85    | ° Shore D           | ASTM D2240 |
| Kulmapaineen kovuus    | 100   | 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                               | conc.   | ●        |
| Ammonium chloride                     | -       | ●        |
| Amyl alcohol                          | -       | ●        |
| Apple juice                           | -       | ●        |
| Benzene                               | -       | ●        |
| Bleaching solution                    | 12.5 cl | ●        |
| 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%      | <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> |
| Fuel oil                         | -         | <div></div> |
| Glycerine                        | 100%      | <div></div> |
| Glycol                           | 100%      | <div></div> |
| Heptane                          | 100%      | <div></div> |
| Hydrochloric acid                | 10%       | <div></div> |
| Hydrochloric acid (concentrated) | conc.     | <div></div> |
| Hydrofluoric acid                | 40%       | <div></div> |
| Hydrogen peroxide                | 10%       | <div></div> |
| Hydrogen sulfide (aqueous)       | -         | <div></div> |
| Isopropyl alcohol                | 100%      | <div></div> |
| Linseed oil                      | -         | <div></div> |
| Mercurochrome                    | -         | <div></div> |
| Methyl alcohol (methanol)        | 100%      | <div></div> |
| Methyl ethyl ketone (MEK)        | 100%      | <div></div> |
| Methylene chloride               | 100%      | <div></div> |
| Milk                             | -         | <div></div> |
| Mineral oils (aromatic free)     | -         | <div></div> |
| Nitric acid                      | 50%       | <div></div> |
| Nitric acid                      | 10%       | <div></div> |
| Nitrobenzene                     | -         | <div></div> |
| Oxalic acid                      | -         | <div></div> |
| Ozone (gas)                      | ≤ 0.5 ppm | <div></div> |
| Paraffin oil                     | 100%      | <div></div> |
| Perchloroethylene                | -         | <div></div> |
| Petroleum                        | 100%      | <div></div> |
| Petroleum ether                  | 100%      | <div></div> |
| Phenol (aqueous)                 | ca. 9%    | <div></div> |
| Phosphoric acid                  | 50%       | <div></div> |
| Potassium hydroxide solution     | 50%       | <div></div> |

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