



# PPS 50x1000 mm luonnollinen

Artikelnr P1010769

## 1. Tekniskt datablad

| Egenskap                                      | Värde                 | Enhet               | Standard         |
|-----------------------------------------------|-----------------------|---------------------|------------------|
| Tiheys                                        | 1.65                  | g/cm³               | ISO 1183         |
| Venymisrajan jännitys                         | 83                    | MPa                 | ISO 527          |
| Joustavuusmoduli (vetolujuus)                 | 7630                  | MPa                 | ISO 527          |
| Murtolujuus                                   | 136.5                 | MPa                 | ISO 527          |
| Murtovenymä                                   | 4                     | %                   | ISO 527          |
| Sulamispiste                                  | 280                   | °C                  | ISO 3146         |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 230                   | °C                  | UL746B           |
| Maksimi käyttölämpötila                       | 162                   | °C                  |                  |
| Alin lämpötila                                | -13                   | °C                  |                  |
| Lämpötilakäyrä (HDT/A)                        | 260                   | °C                  | ISO 75           |
| Dielektrinen voimakkuus                       | 28                    | kV/mm               | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>11</sup> Ω·cm | Ω·cm                | DIN EN 62631-3-1 |
| Dielektrinen vakio (1 MHz)                    | 3.6                   | -                   | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0                   | -                   | IEC 60250        |
| Taivutuslujuus                                | 144                   | MPa                 | ISO 178          |
| Lämpöjohtavuus                                | 0.25                  | W/(m·K)             | DIN 52612        |
| Pintaresistanssi                              | 10 <sup>11</sup> Ω    | Ω                   | DIN EN 62631-3-2 |
| Vertailukulkemisindeksi (CTI)                 | 125                   | V                   | IEC 60112        |
| Imeytymisen maksimointi                       | 0.02                  | %                   | ISO 62           |
| Vesihaku kyllästymiseen                       | 0.02                  | %                   | ISO 62           |
| Särkyäkesto (Charpy)                          | 5                     | kJ/m²               | DIN EN ISO 179   |
| Iskunkestävyys (Charpy)                       | 27                    | kJ/m²               | ISO 179          |
| Lämpölaajenemiskerroin                        | 0.3                   | 10 <sup>-6</sup> /K | DIN 11359        |
| Kovuus Shore D                                | 90                    | ° Shore D           | ISO 868          |
| Kulmapaineen kovuus                           | 343                   | MPa                 | ISO 2039         |

## 2. Kemisk beständighet

● Beständigt
 ● Delvis beständigt
 ● Ej beständigt

| Kemikalie                        | Konc. | Resultat |
|----------------------------------|-------|----------|
| 1,4-Dioxane                      | 100   | ●        |
| Acetone                          | 100   | ●        |
| Ammonia                          | â€”   | ●        |
| Ammonium chloride                | â€”   | ●        |
| Benzene                          | â€”   | ●        |
| Brake fluid                      | â€”   | ●        |
| Butyl acetate                    | â€”   | ●        |
| Calcium chloride                 | â€”   | ●        |
| Carbon tetrachloride             | â€”   | ●        |
| Chlorobenzene                    | 100   | ●        |
| Chloroform                       | â€”   | ●        |
| Diesel                           | â€”   | ●        |
| Diethylene oxide                 | â€”   | ●        |
| Ethyl acetate                    | 100   | ●        |
| Ethyl alcohol (ethanol)          | 96    | ●        |
| Frost protection agent           | â€”   | ●        |
| Fuel, aromatic free              | â€”   | ●        |
| Glycerine                        | 100   | ●        |
| Hydrochloric acid (10%)          | 10    | ●        |
| Hydrochloric acid (concentrated) | â€”   | ●        |
| Isopropyl alcohol                | 100   | ●        |
| Methyl alcohol (methanol)        | 100   | ●        |
| Methyl ethyl ketone (MEK)        | 100   | ●        |
| Methylene chloride               | 100   | ●        |
| Mineral oils (aromatic free)     | â€”   | ●        |
| Nitric acid (10%)                | 10    | ●        |
| Nitric acid (50%)                | 50    | ●        |
| Perchloroethylene                | â€”   | ●        |
| Phenol, aqueous                  | 9     | ●        |
| Phosphoric acid                  | 50    | ●        |
| Premium fuel                     | â€”   | ●        |
| Sodium chloride, aqueous         | â€”   | ●        |
| Sodium hydroxide solution (15%)  | 15    | ●        |
| Sodium hydroxide solution (60%)  | 60    | ●        |

| Kemikalie             | Konc. | Resultat |
|-----------------------|-------|----------|
| Sulphuric acid        | 96    | ●        |
| Tetrahydrofuran (THF) | 100   | ●        |
| Toluene               | 100   | ●        |
| Transformer oil       | â€”   | ●        |
| Trichloroethylene     | 100   | ●        |
| Water                 | â€”   | ●        |
| Xylene                | â€”   | ●        |