



# PPS 30x3000 mm svart

Artikelnr P1010409

## 1. Tekniskt datablad

| Egenskap                                   | Värde | Enhet     | Standard         |
|--------------------------------------------|-------|-----------|------------------|
| Density                                    | 1.65  | g/cm³     | ISO 1183         |
| Tensile Strength                           | 83    | MPa       | ISO 527          |
| Modulus of elasticity (tensile)            | 7630  | MPa       | ISO 527          |
| Breakdown Voltage                          | 136.5 | MPa       | ISO 527          |
| Break Elongation                           | 4     | %         | ISO 527          |
| Melting point                              | 280   | °C        | ISO 3146         |
| Maximal operating temperature (short-term) | 230   | °C        | UL746B           |
| Maximum Operating Temperature              | 162   | °C        |                  |
| Minimum temperature                        | -13   | °C        |                  |
| Heat deflection temperature (HDT/A)        | 260   | °C        | ISO 75           |
| Dielectric Strength                        | 28    | kV/mm     | IEC 60243-1      |
| Volume Resistivity                         | 10¹³  | Ω·cm      | DIN EN 62631-3-1 |
| Dielectric Constant (1 MHz)                | 3.6   | -         | IEC 60250        |
| Dielectric loss factor (1 MHz)             | 0.0   | -         | IEC 60250        |
| Flexural Strength                          | 144   | MPa       | ISO 178          |
| Thermal Conductivity                       | 0.25  | W/(m·K)   | DIN 52612        |
| Surface Resistivity                        | 10¹³  | Ω         | DIN EN 62631-3-2 |
| Comparative Tracking Index (CTI)           | 125   | V         | IEC 60112        |
| Water absorption to saturation             | 0.02  | %         | ISO 62           |
| Water Absorption to Saturation             | 0.02  | %         | ISO 62           |
| Notched impact strength (Charpy)           | 5     | kJ/m²     | DIN EN ISO 179   |
| Impact Resistance (Charpy)                 | 27    | kJ/m²     | ISO 179          |
| Thermal Expansion Coefficient              | 0.3   | 10⁻⁶ /K   | DIN 11359        |
| Hardness Shore D                           | 90    | ° Shore D | ISO 868          |
| Ball pressure hardness                     | 343   | MPa       | ISO 2039         |

## 2. Kemisk beståndighet

● 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    | ●        |

| Kemikalie                       | Konc. | Resultat    |
|---------------------------------|-------|-------------|
| Sodium hydroxide solution (60%) | 60    | <div></div> |
| Sulphuric acid                  | 96    | <div></div> |
| Tetrahydrofuran (THF)           | 100   | <div></div> |
| Toluene                         | 100   | <div></div> |
| Transformer oil                 | â€”   | <div></div> |
| Trichloroethylene               | 100   | <div></div> |
| Water                           | â€”   | <div></div> |
| Xylene                          | â€”   | <div></div> |