



# PE-1000 2000x1000x120 mm svart

Artikelnr P2200703

## 1. Tekniskt datablad

| Egenskap                                   | Värde              | Enhet             | Standard           |
|--------------------------------------------|--------------------|-------------------|--------------------|
| Density                                    | 0.95               | g/cm <sup>3</sup> | ISO 1183           |
| Tensile Strength                           | 17                 | MPa               | ISO 527            |
| Modulus of elasticity (tensile)            | 800                | MPa               | DIN EN ISO 527-1/2 |
| Breakdown Voltage                          | 40                 | MPa               | ISO 527            |
| Break Elongation                           | 200                | %                 | ISO 527            |
| Melting point                              | 135                | °C                | ISO 3146           |
| Maximal operating temperature (short-term) | 100                | °C                |                    |
| Maximum Operating Temperature              | 64                 | °C                |                    |
| Minimum temperature                        | -214               | °C                | UL746B             |
| Heat deflection temperature (HDT/A)        | 42                 | °C                | ISO 75             |
| Heat deflection temperature (HDT/B)        | 65                 | °C                | ISO 75             |
| Vicat softening temperature (VST/B/50)     | 79                 | °C                | DIN EN ISO 306     |
| Dielectric Strength                        | 45                 | kV/mm             | IEC 60243-1        |
| Volume Resistivity                         | 1                  | Ω·m               | IEC 60093          |
| Dielectric Constant (1 MHz)                | 2.3                | -                 | IEC 60250          |
| Dielectric Constant (100 Hz)               | 2.55               | -                 | IEC 60250          |
| Dielectric loss factor (1 MHz)             | 0.0                | -                 | IEC 60250          |
| Dielectric loss factor (100 Hz)            | 0.0                | -                 | IEC 60250          |
| Flammability Classification (UL 94)        | 3                  |                   | UL 94              |
| Flexural Strength                          | 17                 | MPa               | ISO 527-2          |
| Thermal Conductivity                       | 0.4                | W/(m·K)           | DIN 52612          |
| Surface Resistivity                        | 10 <sup>11</sup> Ω | Ω                 | IEC 60093          |
| Comparative Tracking Index (CTI)           | 600                | V                 | IEC 60112          |
| Water absorption to saturation             | 0.01               | %                 |                    |
| Water Absorption to Saturation             | 0.01               | %                 | ISO 62             |
| Notched impact strength (Charpy)           | 80                 | kJ/m <sup>2</sup> | ISO 11542-2        |
| Impact Resistance (Charpy)                 | 80                 | kJ/m <sup>2</sup> | DIN EN ISO 179-1/2 |

| Egenskap                       | V rde | Enhet      | Standard   |
|--------------------------------|-------|------------|------------|
| Thermal Expansion Coefficient  | 2     | 10   /K    | ISO 11359  |
| Hardness Shore D               | 60    |    Shore D | shore D    |
| Ball pressure hardness         | 34    | MPa        | ISO 2039-1 |
| Creep Voltage at 1% Elongation | 24    | MPa        | ISO 178    |

2. Kemisk best ndighet

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

| Kemikalie                             | Konc. | Resultat |
|---------------------------------------|-------|----------|
| 1,4-Dioxane                           | 100   |          |
| 2-Hydroxypropionic acid (lactic acid) | 90    |          |
| Acetic acid                           | 100   |          |
| Acetone                               | 100   |          |
| Ammonia                               |       |          |
| Ammonium chloride                     |       |          |
| Amyl alcohol                          |       |          |
| Benzene                               |       |          |
| Boric acid                            | 100   |          |
| Brake fluid                           |       |          |
| Butyl acetate                         |       |          |
| Calcium chloride                      |       |          |
| Citric acid                           | 10    |          |
| Cresol                                |       |          |
| Cyclohexanone                         | 100   |          |
| Cyclohexene                           | 100   |          |
| Diesel                                |       |          |
| Ethyl acetate                         | 100   |          |
| Ethyl alcohol (ethanol)               | 96    |          |
| Food oil                              |       |          |
| Formaldehyde, aqueous                 | 40    |          |
| Formic acid                           | 10    |          |
| Frost protection agent                |       |          |
| Fuel oil                              |       |          |
| Fuel, aromatic free                   |       |          |
| Glycerine                             | 100   |          |



| Kemikalie         | Konc.  | Resultat |
|-------------------|--------|----------|
| Transformer oil   | â€”    | ●        |
| Vinegar, standard | 5 - 10 | ●        |
| Water             | â€”    | ●        |
| Xylene            | â€”    | ●        |