



# PET 1000x1000x35 mm natur

Artikelnr P1003808

## 1. Tekniskt datablad

| Egenskap                                   | Värde     | Enhet   | Standard         |
|--------------------------------------------|-----------|---------|------------------|
| Density                                    | 1.46      | g/cm³   | ISO 1183         |
| Tensile Strength                           | 52        | MPa     | ISO 527          |
| Modulus of elasticity (tensile)            | 3400      | MPa     | ISO 527-2        |
| Breakdown Voltage                          | 58        | MPa     | ISO 527          |
| Break Elongation                           | 5         | %       | ISO 527-2        |
| Melting point                              | 224       | °C      | ISO 3146         |
| Maximal operating temperature (short-term) | 138.75    | °C      | UL746B           |
| Maximum Operating Temperature              | 97        | °C      |                  |
| Minimum temperature                        | -25       | °C      |                  |
| Heat deflection temperature (HDT/A)        | 85        | °C      | ISO 75           |
| Heat deflection temperature (HDT/B)        | 100       | °C      | ISO 75           |
| Vicat softening temperature (VST/B/50)     | 219       | °C      | ISO 306          |
| Dielectric Strength                        | 22        | kV/mm   | IEC 60243-1      |
| Volume Resistivity                         | 10¹³ Ω·cm | Ω·cm    | DIN EN 62631-3-1 |
| Dielectric Constant (1 MHz)                | 3.3       | -       | IEC 60250        |
| Dielectric loss factor (1 MHz)             | 0.0       | -       | IEC 60250        |
| Dielectric loss factor (100 Hz)            | 0.0       | -       | IEC 60250        |
| Flexural Strength                          | 75.25     | MPa     | ISO 178          |
| Thermal Conductivity                       | 0.33      | W/(m·K) | DIN 52612        |
| Surface Resistivity                        | 10¹³ Ω    | Ω       | IEC 60093        |
| Comparative Tracking Index (CTI)           | 600       | V       | IEC 60112        |
| Water absorption to saturation             | 0.02      | %       | ISO 62           |
| Water Absorption to Saturation             | 0.02      | %       | ISO 62           |
| Notched impact strength (Charpy)           | 90        | kJ/m²   | ISO 180          |
| Impact Resistance (Charpy)                 | 37        | kJ/m²   | ISO 179/1eU      |
| Thermal Expansion Coefficient              | 0.8       | 10⁻⁵ /K | DIN 11359        |

| Egenskap               | V rde | Enhet     | Standard |
|------------------------|-------|-----------|----------|
| Hardness Shore D       | 77    |   Shore D | ISO 868  |
| Rockwell hardness      | 112   | M-scale   |          |
| Ball pressure hardness | 166   | MPa       | ISO 2039 |

2. Kemisk best ndighet

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

| Kemikalie            | Konc. | Resultat |
|----------------------|-------|----------|
| 1,4-Dioxane          | 100   | ●        |
| 1,4-Dioxane          | 100   | ●        |
| Acetic acid          | 100   | ●        |
| Acetic acid          | 100%  | ●        |
| Acetic acid          | 100   | ●        |
| Acetone              | 100   | ●        |
| Acetone              | 100   | ●        |
| Ammonia              | conc. | ●        |
| Ammonia              | conc. | ●        |
| Apple juice          |       | ●        |
| Apple juice          |       | ●        |
| Benzene              |       | ●        |
| Benzene              |       | ●        |
| Bleaching solution   |       | ●        |
| Brake fluid          |       | ●        |
| Brake fluid          |       | ●        |
| Butyl acetate        |       | ●        |
| Butyl acetate        |       | ●        |
| Calcium chloride     |       | ●        |
| Calcium chloride     |       | ●        |
| Carbon disulphide    | 100   | ●        |
| Carbon disulphide    | 100   | ●        |
| Carbon tetrachloride |       | ●        |
| Carbon tetrachloride |       | ●        |
| Carbon tetrachloride |       | ●        |
| Chlorobenzene        | 100%  | ●        |
| Chlorobenzene        | 100   | ●        |
| Chlorobenzene        | 100   | ●        |

| Kemikalie               | Konc. | Resultat |
|-------------------------|-------|----------|
|                         |       |          |
| Chloroform              | â€”   | ●        |
| Chloroform              | â€”   | ●        |
| Citric acid             | 10    | ●        |
| Citric acid             | 10    | ●        |
| Diesel                  | â€”   | ●        |
| Diesel                  | â€”   | ●        |
| Diethylene oxide        | â€”   | ●        |
| Diethylene oxide        | â€”   | ●        |
| Ethyl acetate           | 100   | ●        |
| Ethyl acetate           | 100   | ●        |
| Ethyl alcohol (ethanol) | 96    | ●        |
| Ethyl alcohol (ethanol) | 96%   | ●        |
| Ethyl alcohol (ethanol) | 96    | ●        |
| Ethylene chloride       | 100   | ●        |
| Ethylene chloride       | 100   | ●        |
| Food oil                | â€”   | ●        |
| Food oil                | â€”   | ●        |
| Food oil                | â€”   | ●        |
| Formic acid             | 10    | ●        |
| Formic acid             | 10    | ●        |
| Frost protection agent  | â€”   | ●        |
| Frost protection agent  | â€”   | ●        |
| Fuel oil                | â€”   | ●        |
| Fuel oil                | â€”   | ●        |
| Fuel, aromatic free     | â€”   | ●        |
| Fuel, aromatic free     | â€”   | ●        |
| Glycerine               | 100   | ●        |
| Glycerine               | 100   | ●        |
| Glycerine               | 100%  | ●        |
| Glycol                  | 100   | ●        |
| Glycol                  | 100   | ●        |
| Heptane                 | 100   | ●        |
| Heptane                 | 100   | ●        |
| Hydrochloric acid       | conc. | ●        |

| Kemikalie                        | Konc. | Resultat    |
|----------------------------------|-------|-------------|
| Hydrochloric acid                | 10    | <div></div> |
| Hydrochloric acid                | 10    | <div></div> |
| Hydrochloric acid                | conc. | <div></div> |
| Hydrochloric acid (concentrated) | conc. | <div></div> |
| Hydrofluoric acid                | 40%   | <div></div> |
| Hydrofluoric acid                | 40    | <div></div> |
| Hydrofluoric acid                | 40    | <div></div> |
| Hydrogen peroxide                | 10    | <div></div> |
| Hydrogen peroxide                | 10    | <div></div> |
| Hydrogen sulfide, aqueous        | â€”   | <div></div> |
| Isopropyl alcohol                | 100   | <div></div> |
| Isopropyl alcohol                | 100%  | <div></div> |
| Isopropyl alcohol                | 100   | <div></div> |
| Linseed oil                      | â€”   | <div></div> |
| Linseed oil                      | â€”   | <div></div> |
| Mercurochrome                    | â€”   | <div></div> |
| Methyl alcohol (methanol)        | 100   | <div></div> |
| Methyl alcohol (methanol)        | 100   | <div></div> |
| Methyl alcohol (methanol)        | 100%  | <div></div> |
| Methyl ethyl ketone (MEK)        | 100   | <div></div> |
| Methyl ethyl ketone (MEK)        | 100   | <div></div> |
| Methylene chloride               | 100   | <div></div> |
| Methylene chloride               | 100   | <div></div> |
| Milk                             | â€”   | <div></div> |
| Milk                             | â€”   | <div></div> |
| Mineral oils, aromatic free      | â€”   | <div></div> |
| Mineral oils, aromatic free      | â€”   | <div></div> |
| Nitric acid                      | 50    | <div></div> |
| Nitric acid                      | 50    | <div></div> |
| Nitric acid                      | 10%   | <div></div> |
| Nitric acid                      | 10    | <div></div> |
| Nitric acid                      | 10    | <div></div> |
| Paraffin oil                     | 100   | <div></div> |
| Paraffin oil                     | 100   | <div></div> |
| Perchloroethylene                | â€”   | <div></div> |

| Kemikalie                                | Konc. | Resultat |
|------------------------------------------|-------|----------|
| Perchloroethylene                        | â€”   | ●        |
| Petroleum                                | 100%  | ●        |
| Petroleum                                | 100   | ●        |
| Petroleum ether                          | 100   | ●        |
| Petroleum ether                          | 100   | ●        |
| Petroleum ether                          | 100%  | ●        |
| Phenol, aqueous                          | ca.9  | ●        |
| Phosphoric acid                          | 50    | ●        |
| Phosphoric acid                          | 50    | ●        |
| Potassium hydroxide solution             | 50    | ●        |
| Potassium hydroxide solution             | 50    | ●        |
| Premium fuel                             | â€”   | ●        |
| Premium fuel                             | â€”   | ●        |
| Propyl alcohol                           | â€”   | ●        |
| Propyl alcohol                           | â€”   | ●        |
| Silicone oil                             | â€”   | ●        |
| Silicone oil                             | â€”   | ●        |
| Sodium carbonate, aqueous                | â€”   | ●        |
| Sodium carbonate, aqueous                | â€”   | ●        |
| Sodium chloride, aqueous                 | â€”   | ●        |
| Sodium chloride, aqueous                 | â€”   | ●        |
| Sodium hydrogen sulfite                  | â€”   | ●        |
| Sodium hydrogen sulfite                  | â€”   | ●        |
| Sodium hydrogen sulfite                  | â€”   | ●        |
| Sodium hydroxide solution (caustic soda) | 15    | ●        |
| Sodium hydroxide solution (caustic soda) | 60    | ●        |
| Sodium hydroxide solution (caustic soda) | 60    | ●        |
| Sodium hydroxide solution (caustic soda) | 15    | ●        |
| Sodium nitrate, aqueous                  | â€”   | ●        |
| Sodium thiosulfate                       | â€”   | ●        |
| Sulphuric acid                           | 96    | ●        |
| Sulphuric acid                           | 96    | ●        |
| Tetrahydrofuran (THF)                    | 100   | ●        |
| Tetrahydrofuran (THF)                    | 100   | ●        |

| Kemikalie         | Konc. | Resultat    |
|-------------------|-------|-------------|
| Toluene           | 100   | <div></div> |
| Toluene           | 100   | <div></div> |
| Toluene           | 100%  | <div></div> |
| Transformer oil   | â€”   | <div></div> |
| Transformer oil   | â€”   | <div></div> |
| Trichloroethylene | 100   | <div></div> |
| Trichloroethylene | 100   | <div></div> |
| Vinegar, standard | 5-10  | <div></div> |
| Vinegar, standard | 5-10  | <div></div> |
| Vinegar, standard | 5-10% | <div></div> |
| Water             | â€”   | <div></div> |
| Water             | â€”   | <div></div> |
| Xylene            | â€”   | <div></div> |
| Xylene            | â€”   | <div></div> |