



# PET 3000x610x10 mm luonnollinen

Artikelnr P1003840

## 1. Tekniskt datablad

| Egenskap                                      | Värde              | Enhet               | Standard         |
|-----------------------------------------------|--------------------|---------------------|------------------|
| Tiheys                                        | 1.46               | g/cm <sup>3</sup>   | ISO 1183         |
| Venymisrajan jännitys                         | 52                 | MPa                 | ISO 527          |
| Joustavuusmoduli (vetolujuus)                 | 3400               | MPa                 | ISO 527-2        |
| Murtolujuus                                   | 58                 | MPa                 | ISO 527          |
| Murtovenymä                                   | 5                  | %                   | ISO 527-2        |
| Sulamispiste                                  | 224                | °C                  | ISO 3146         |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 138.75             | °C                  | UL746B           |
| Maksimi käyttölämpötila                       | 97                 | °C                  |                  |
| Alin lämpötila                                | -25                | °C                  |                  |
| Lämpötilakäyrä (HDT/A)                        | 85                 | °C                  | ISO 75           |
| Lämpötilakäyrä (HDT/B)                        | 100                | °C                  | ISO 75           |
| Vicat-pehmenemislämpötila (VST/B/50)          | 219                | °C                  | ISO 306          |
| Dielektrinen voimakkuus                       | 22                 | kV/mm               | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>14</sup> Ω | Ω·cm                | DIN EN 62631-3-1 |
| Dielektrinen vakio (1 MHz)                    | 3.3                | -                   | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0                | -                   | IEC 60250        |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0                | -                   | IEC 60250        |
| Taivutuslujuus                                | 75.25              | MPa                 | ISO 178          |
| Lämpöjohtavuus                                | 0.33               | W/(m·K)             | DIN 52612        |
| Pintaresistanssi                              | 10 <sup>14</sup> Ω | Ω                   | IEC 60093        |
| Vertailukulkemisindeksi (CTI)                 | 600                | V                   | IEC 60112        |
| Imeytymisen maksimointi                       | 0.02               | %                   | ISO 62           |
| Vesihaku kyllästymiseen                       | 0.02               | %                   | ISO 62           |
| Särkyäkesto (Charpy)                          | 90                 | kJ/m <sup>2</sup>   | ISO 180          |
| Iskunkestävyys (Charpy)                       | 37                 | kJ/m <sup>2</sup>   | ISO 179/1eU      |
| Lämpölaajenemiskerroin                        | 0.8                | 10 <sup>-6</sup> /K | DIN 11359        |

| Egenskap            | V rde | Enhet     | Standard |
|---------------------|-------|-----------|----------|
| Kovuus Shore D      | 77    |   Shore D | ISO 868  |
| Rockwell-kovuus     | 112   | M-scale   |          |
| Kulmapaineen kovuus | 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> |