



## 1. Tekniskt datablad

| Egenskap                                      | VÄärde  | Enhet     | Standard         |
|-----------------------------------------------|---------|-----------|------------------|
| Tiheys                                        | 1.53    | g/cm³     | ASTM D792        |
| Venymisrajan jännitys                         | 48.8    | MPa       | ASTM D638        |
| Joustavuusmoduli (vetolujuus)                 | 2669    | MPa       | ASTM D638        |
| Murtolujuus                                   | 40      | MPa       | ISO 527          |
| Murtovenymä                                   | 14      | %         | ISO 527          |
| Sulamispiste                                  | 189.2   | °C        | ASTM D3418       |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 93.3    | °C        | UL 746B          |
| Maksimi käyttölämpötila                       | 60      | °C        |                  |
| Alin lämpötila                                | -15     | °C        | UL 746B          |
| Lämpökestävyys (HDT/A)                        | 106.7   | °C        | ASTM D648        |
| Vicat-pehmenemislämpötila (VST/B/50)          | 75      | °C        | ISO 306          |
| Dielektrinen voimakkuus                       | 40      | kV/mm     | IEC 60243-1      |
| Tilavuusresistanssi                           | 10⁻¹⁵ μ | Î··cm     | DIN EN 62631-3-1 |
| Dielektrinen vakio (1 MHz)                    | 3.1     | -         | IEC 60250        |
| Dielektrinen vakio (100 Hz)                   | 3.2     | -         | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0     | -         | IEC 60250        |
| Taivutuslujuus                                | 73.1    | MPa       | ASTM D790        |
| Lämpöjohtavuus                                | 0.14    | W/(m·K)   | ISO 22007-4      |
| Pintaresistanssi                              | 10¹¹ Ω  | Î©        | DIN EN 62631-3-2 |
| Vertailukulkemisindeksi (CTI)                 | 600     | V         | IEC 60112        |
| Imeytymisen maksimointi                       | 0.5     | %         | ASTM D570        |
| Vesihaku kyllästymiseen                       | 0.5     | %         | ASTM D570        |
| Särkyäkesto (Charpy)                          | 4       | kJ/m²     | ISO 179          |
| Iskunkestävyys (Charpy)                       | 550     | kJ/m²     | DIN EN ISO 8256  |
| Lämpölaajenemiskerroin                        | 1.03    | 10⁻⁵ /K   | ASTM D696        |
| Kovuus Shore D                                | 85      | ° Shore D | ASTM D2240       |
| Kulmapaineen kovuus                           | 100     | MPa       | ISO 2039         |

| Egenskap | V rde | Enhet | Standard |
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2. Kemisk best ndighet

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

| Kemikalie                             | Konc.   | Resultat       |
|---------------------------------------|---------|----------------|
| 1,4-Dioxane                           | 100%    | <span>●</span> |
| 2-Hydroxypropionic acid (lactic acid) | 90%     | <span>●</span> |
| Acetic acid                           | 100%    | <span>●</span> |
| Acetone                               | 100%    | <span>●</span> |
| Ammonia                               | conc.   | <span>●</span> |
| Ammonium chloride                     |         | <span>●</span> |
| Amyl alcohol                          |         | <span>●</span> |
| Apple juice                           |         | <span>●</span> |
| Benzene                               |         | <span>●</span> |
| Bleaching solution                    | 12.5 cl | <span>●</span> |
| Boric acid                            | 100%    | <span>●</span> |
| Brake fluid                           |         | <span>●</span> |
| Butyl acetate                         |         | <span>●</span> |
| Calcium chloride                      |         | <span>●</span> |
| Carbon disulphide                     | 100%    | <span>●</span> |
| Carbon tetrachloride                  |         | <span>●</span> |
| Chlorine (gas)                        | 100%    | <span>●</span> |
| Chlorobenzene                         | 100%    | <span>●</span> |
| Chloroform                            |         | <span>●</span> |
| Citric acid                           | 10%     | <span>●</span> |
| Cresol                                |         | <span>●</span> |
| Cyclohexanone                         | 100%    | <span>●</span> |
| Cyclohexene                           | 100%    | <span>●</span> |
| Diesel                                |         | <span>●</span> |
| Diethylene oxide                      |         | <span>●</span> |
| Ethyl acetate                         | 100%    | <span>●</span> |
| Ethyl alcohol (ethanol)               | 96%     | <span>●</span> |
| Ethylene chloride                     | 100%    | <span>●</span> |
| Food oil                              |         | <span>●</span> |
| Formaldehyde (aqueous)                | 40%     | <span>●</span> |

| Kemikalie                        | Konc.       | Resultat |
|----------------------------------|-------------|----------|
| Formic acid                      | 10%         | ●        |
| Frost protection agent           | â€”         | ●        |
| Fuel (aromatic free)             | â€”         | ●        |
| Fuel oil                         | â€”         | ●        |
| Glycerine                        | 100%        | ●        |
| Glycol                           | 100%        | ●        |
| Heptane                          | 100%        | ●        |
| Hydrochloric acid                | 10%         | ●        |
| Hydrochloric acid (concentrated) | conc.       | ●        |
| Hydrofluoric acid                | 40%         | ●        |
| Hydrogen peroxide                | 10%         | ●        |
| Hydrogen sulfide (aqueous)       | â€”         | ●        |
| Isopropyl alcohol                | 100%        | ●        |
| Linseed oil                      | â€”         | ●        |
| Mercurochrome                    | â€”         | ●        |
| Methyl alcohol (methanol)        | 100%        | ●        |
| Methyl ethyl ketone (MEK)        | 100%        | ●        |
| Methylene chloride               | 100%        | ●        |
| Milk                             | â€”         | ●        |
| Mineral oils (aromatic free)     | â€”         | ●        |
| Nitric acid                      | 50%         | ●        |
| Nitric acid                      | 10%         | ●        |
| Nitrobenzene                     | â€”         | ●        |
| Oxalic acid                      | â€”         | ●        |
| Ozone (gas)                      | â‰¤ 0.5 ppm | ●        |
| Paraffin oil                     | 100%        | ●        |
| Perchloroethylene                | â€”         | ●        |
| Petroleum                        | 100%        | ●        |
| Petroleum ether                  | 100%        | ●        |
| Phenol (aqueous)                 | ca. 9%      | ●        |
| Phosphoric acid                  | 50%         | ●        |
| Potassium hydroxide solution     | 50%         | ●        |
| Premium fuel                     | â€”         | ●        |
| Propyl alcohol                   | â€”         | ●        |

| Kemikalie                                | Konc.   | Resultat |
|------------------------------------------|---------|----------|
| Pyridine                                 | â€”     | ●        |
| Silicone oil                             | â€”     | ●        |
| Sodium carbonate (aqueous)               | â€”     | ●        |
| Sodium chloride (aqueous)                | â€”     | ●        |
| Sodium hydrogen sulfite                  | â€”     | ●        |
| Sodium hydroxide solution (caustic soda) | 15%     | ●        |
| Sodium hydroxide solution (caustic soda) | 60%     | ●        |
| Sodium nitrate (aqueous)                 | â€”     | ●        |
| Sodium thiosulfate                       | â€”     | ●        |
| Sulphuric acid                           | 96%     | ●        |
| Tetrahydrofuran (THF)                    | 100%    | ●        |
| Toluene                                  | 100%    | ●        |
| Transformer oil                          | â€”     | ●        |
| Trichloroethylene                        | 100%    | ●        |
| Vinegar (standard)                       | 5 - 10% | ●        |
| Water                                    | â€”     | ●        |
| Xylene                                   | â€”     | ●        |