



# ABS 25x1000 mm luonnollinen

Artikelnr P1000002

## 1. Tekniskt datablad

| Egenskap                                      | Värde            | Enhet               | Standard          |
|-----------------------------------------------|------------------|---------------------|-------------------|
| Tiheys                                        | 1.05             | g/cm³               | ISO 1183          |
| Venymisrajan jännitys                         | 37               | MPa                 | ISO 527-2         |
| Joustavuusmoduli (vetolujuus)                 | 2600             | MPa                 | ISO 527-2         |
| Murtolujuus                                   | 36.5             | MPa                 | ISO 527-2         |
| Murtovenymä                                   | 5                | %                   | ISO 527-2         |
| Sulamispiste                                  | 235              | °C                  | ISO 3146          |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 93               | °C                  | UL746B            |
| Maksimi käyttölämpötila                       | 82.5             | °C                  |                   |
| Lämpökestävyys (HDT/A)                        | 80               | °C                  | ISO 75-2          |
| Lämpökestävyys (HDT/B)                        | 100              | °C                  | ISO 75-2          |
| Vicat-pehmenemislämpötila (VST/B/50)          | 101              | °C                  | ISO 306           |
| Dielektrinen voimakkuus                       | 18               | kV/mm               | IEC 60243-1       |
| Tilavuusresistanssi                           | 10 <sup>-6</sup> | Å·cm                | IEC 60093         |
| Dielektrinen vakio (1 MHz)                    | 2.6              | -                   | IEC 60250         |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0              | -                   | IEC 60250         |
| Taivutuslujuus                                | 2500             | MPa                 | ISO 178           |
| Lämpöjohtavuus                                | 0.2              | W/(m·K)             | DIN 52612         |
| Pintaresistanssi                              | 10 <sup>-6</sup> | Å                   | IEC 60093         |
| Vertailukemisindeksi (CTI)                    | 600              | V                   | IEC 60112         |
| Imeytymisen maksimointi                       | 0.2              | %                   | ISO 62            |
| Vesihaku kyllästymiseen                       | 1                | %                   | ISO 62            |
| Särkyäkesto (Charpy)                          | 25               | kJ/m²               | ISO 179/1eA       |
| Iskunkestävyys (Charpy)                       | 170              | kJ/m²               | ISO 179/1eU       |
| Lämpölaajenemiskerroin                        | 0.8              | 10 <sup>-6</sup> /K | DIN 11359         |
| Kovuus Shore D                                | 70               | Å Shore D           | ISO 868           |
| Rockwell-kovuus                               | 80               | R-scale             | DIN EN ISO 2039-2 |
| Kulmapaineen kovuus                           | 98               | MPa                 | ISO 2039-1        |

| 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   | ●        |
| 2-Hydroxypropionic acid (lactic acid) | 90    | ●        |
| Acetic acid                           | 100   | ●        |
| Acetone                               | 100   | ●        |
| Ammonia                               |       | ●        |
| Ammonium chloride                     |       | ●        |
| Amyl alcohol                          |       | ●        |
| Apple juice                           |       | ●        |
| Benzene                               |       | ●        |
| Brake fluid                           |       | ●        |
| Butyl acetate                         |       | ●        |
| Calcium chloride                      |       | ●        |
| Carbon disulphide                     | 100   | ●        |
| Carbon tetrachloride                  |       | ●        |
| Chlorine gas                          | 100   | ●        |
| Chlorobenzene                         | 100   | ●        |
| Chloroform                            |       | ●        |
| Citric acid                           | 10    | ●        |
| Cresol                                |       | ●        |
| Cyclohexanone                         | 100   | ●        |
| Cyclohexene                           | 100   | ●        |
| Diesel                                |       | ●        |
| Ethyl acetate                         | 100   | ●        |
| Ethyl alcohol (ethanol)               | 96    | ●        |
| Ethylene chloride                     | 100   | ●        |
| Food oil                              |       | ●        |
| Formaldehyde, aqueous                 | 40    | ●        |
| Formic acid                           | 10    | ●        |
| Frost protection agent                |       | ●        |
| Fuel oil                              |       | ●        |

| Kemikalie                        | Konc. | Resultat |
|----------------------------------|-------|----------|
|                                  |       |          |
| Fuel, aromatic free              | â€”   | ●        |
| Glycerine                        | 100   | ●        |
| Glycol                           | 100   | ●        |
| Heptane                          | 100   | ●        |
| Hydrochloric acid                | 10    | ●        |
| Hydrochloric acid (concentrated) | â€”   | ●        |
| 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€”   | ●        |
| Nitric acid                      | 50    | ●        |
| Nitric acid                      | 10    | ●        |
| Nitrobenzene                     | â€”   | ●        |
| Oxalic acid                      | â€”   | ●        |
| Ozone (gas)                      | â€”   | ●        |
| Paraffin oil                     | 100   | ●        |
| Perchloroethylene                | â€”   | ●        |
| Petroleum                        | 100   | ●        |
| Petroleum ether                  | 100   | ●        |
| Phenol, aqueous                  | 9     | ●        |
| Phosphoric acid                  | 50    | ●        |
| Potassium hydroxide solution     | 50    | ●        |
| Premium fuel                     | â€”   | ●        |
| Propyl alcohol                   | â€”   | ●        |
| Pyridine                         | â€”   | ●        |
| Silicone oil                     | â€”   | ●        |
| Sodium carbonate, aqueous        | â€”   | ●        |
| Sodium chloride, aqueous         | â€”   | ●        |

| Kemikalie                                | Konc. | Resultat |
|------------------------------------------|-------|----------|
| Sodium hydrogen sulfite                  | â€”   | ●        |
| Sodium hydroxide solution (caustic soda) | 60    | ●        |
| Sodium hydroxide solution (caustic soda) | 15    | ●        |
| 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€”   | ●        |