



# ABS 56x3000 mm natural

Artikelnr P1000039

## 1. Tekniskt datablad

| Egenskap                                   | VÄrde  | Enhet      | Standard          |
|--------------------------------------------|--------|------------|-------------------|
| Density                                    | 1.05   | g/cmÅ³     | ISO 1183          |
| Tensile Strength                           | 37     | MPa        | ISO 527-2         |
| Modulus of elasticity (tensile)            | 2600   | MPa        | ISO 527-2         |
| Breakdown Voltage                          | 36.5   | MPa        | ISO 527-2         |
| Break Elongation                           | 5      | %          | ISO 527-2         |
| Melting point                              | 235    | Å°C        | ISO 3146          |
| Maximal operating temperature (short-term) | 93     | Å°C        | UL746B            |
| Maximum Operating Temperature              | 82.5   | Å°C        |                   |
| Heat deflection temperature (HDT/A)        | 80     | Å°C        | ISO 75-2          |
| Heat deflection temperature (HDT/B)        | 100    | Å°C        | ISO 75-2          |
| Vicat softening temperature (VST/B/50)     | 101    | Å°C        | ISO 306           |
| Dielectric Strength                        | 18     | kV/mm      | IEC 60243-1       |
| Volume Resistivity                         | 10Å¹âµ | Î©Å·cm     | IEC 60093         |
| Dielectric Constant (1 MHz)                | 2.6    | -          | IEC 60250         |
| Dielectric loss factor (1 MHz)             | 0.0    | -          | IEC 60250         |
| Flexural Strength                          | 2500   | MPa        | ISO 178           |
| Thermal Conductivity                       | 0.2    | W/(mÅ·K)   | DIN 52612         |
| Surface Resistivity                        | 10Å¹âµ | Î©         | IEC 60093         |
| Comparative Tracking Index (CTI)           | 600    | V          | IEC 60112         |
| Water absorption to saturation             | 0.2    | %          | ISO 62            |
| Water Absorption to Saturation             | 1      | %          | ISO 62            |
| Notched impact strength (Charpy)           | 25     | kJ/mÅ²     | ISO 179/1eA       |
| Impact Resistance (Charpy)                 | 170    | kJ/mÅ²     | ISO 179/1eU       |
| Thermal Expansion Coefficient              | 0.8    | 10â»â´/K   | DIN 11359         |
| Hardness Shore D                           | 70     | Å° Shore D | ISO 868           |
| Rockwell hardness                          | 80     | R-scale    | DIN EN ISO 2039-2 |

| Egenskap               | V rde | Enhet | Standard   |
|------------------------|-------|-------|------------|
| Ball pressure hardness | 98    | MPa   | ISO 2039-1 |

## 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€”   | ●        |