



# ABS 22x1000 mm natural

Artikelnr P1000001

## 1. Tekniskt datablad

| Egenskap                                      | Värde   | Enhet     | Standard          |
|-----------------------------------------------|---------|-----------|-------------------|
| Densidad                                      | 1.05    | g/cm³     | ISO 1183          |
| Límite de resistencia a la tracción           | 37      | MPa       | ISO 527-2         |
| Módulo de elasticidad (tracción)              | 2600    | MPa       | ISO 527-2         |
| Resistencia a la tensión                      | 36.5    | MPa       | ISO 527-2         |
| Deformación a la rotura                       | 5       | %         | ISO 527-2         |
| Punto de fusión                               | 235     | °C        | ISO 3146          |
| Temperatura de servicio máxima (corto plazo)  | 93      | °C        | UL746B            |
| Temperatura de funcionamiento máxima          | 82.5    | °C        |                   |
| Deformación térmica (HDT/A)                   | 80      | °C        | ISO 75-2          |
| Deformación térmica (HDT/B)                   | 100     | °C        | ISO 75-2          |
| Temperatura de ablandamiento Vicat (VST/B/50) | 101     | °C        | ISO 306           |
| Fuerza dieléctrica                            | 18      | kV/mm     | IEC 60243-1       |
| Resistividad volumétrica                      | 10¹¹ µm | Î··cm     | IEC 60093         |
| Constante dieléctrica (1 MHz)                 | 2.6     | -         | IEC 60250         |
| Factor de pérdida dieléctrica (1 MHz)         | 0.0     | -         | IEC 60250         |
| Resistencia a la flexión                      | 2500    | MPa       | ISO 178           |
| Conductividad térmica                         | 0.2     | W/(m·K)   | DIN 52612         |
| Resistencia superficial                       | 10¹¹ µm | Î©        | IEC 60093         |
| Índice de seguimiento comparativo (CTI)       | 600     | V         | IEC 60112         |
| Absorción de agua hasta la saturación         | 0.2     | %         | ISO 62            |
| Absorción de agua hasta la saturación         | 1       | %         | ISO 62            |
| Resistencia al impacto con entalla (Charpy)   | 25      | kJ/m²     | ISO 179/1eA       |
| Resistencia al impacto (Charpy)               | 170     | kJ/m²     | ISO 179/1eU       |
| Coefficiente de expansión térmica             | 0.8     | 10⁻⁶ /K   | DIN 11359         |
| Dureza Shore D                                | 70      | ° Shore D | ISO 868           |
| Dureza Rockwell                               | 80      | R-scale   | DIN EN ISO 2039-2 |

| Egenskap                    | V rde | Enhet | Standard   |
|-----------------------------|-------|-------|------------|
| Dureza a la presi n de bala | 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€”   | ●        |