

# PP-H AlphaPlus 180x1000 mm gris

Artikelnr P2201110

## 1. Tekniskt datablad

| Egenskap                                      | Värde | Enhet   | Standard         |
|-----------------------------------------------|-------|---------|------------------|
| Densidad                                      | 0.91  | g/cm³   | ISO 1183         |
| Låmite de resistencia a la tracci³n           | 36    | MPa     | ISO 527          |
| M³dulo de elasticidad (tracci³n)              | 1700  | MPa     | ISO 527-2        |
| Resistencia a la tensi³n                      | 30    | MPa     | ISO 527          |
| Deformaci³n a la rotura                       | 8     | %       | ISO 527-2        |
| Punto de fusi³n                               | 161   | °C      | DIN EN ISO 11357 |
| Temperatura de servicio m³xima (corto plazo)  | 127   | °C      | UL746B           |
| Temperatura de funcionamiento m³xima          | 80    | °C      |                  |
| Temperatura m³nima                            | -7    | °C      |                  |
| Deformaci³n t³rmica (HDT/A)                   | 54    | °C      | ISO 75           |
| Deformaci³n t³rmica (HDT/B)                   | 90    | °C      | ISO 75           |
| Temperatura de ablandamiento Vicat (VST/B/50) | 50    | °C      | ISO 306          |
| Fuerza diel³ctrica                            | 40    | kV/mm   | IEC 60243-1      |
| Resistividad volum³trica                      | 10¹¹  | Î       | DIN EN 62631-3-1 |
| Constante diel³ctrica (1 MHz)                 | 2.4   | -       | IEC 60250        |
| Factor de p³rdida diel³ctrica (1 MHz)         | 13.4  | -       | IEC 60250        |
| Factor de p³rdida diel³ctrica (100 Hz)        | 0.0   | -       | IEC 60250        |
| Clasificaci³n de resistencia al fuego (UL 94) | 60695 |         | UL 94            |
| Resistencia a la flexi³n                      | 37    | MPa     | DIN EN ISO 527-2 |
| Conductividad t³rmica                         | 0.27  | W/(m³K) | ISO 22007-4      |
| Resistencia superficial                       | 10¹¹  | Î       | IEC 60093        |
| Ándice de seguimiento comparativo (CTI)       | 600   | V       | IEC 60112        |
| Absorci³n de agua hasta la saturaci³n         | 0.2   | %       | ISO 62           |
| Absorci³n de agua hasta la saturaci³n         | 0.2   | %       | ISO 62           |
| Resistencia al impacto con entalla (Charpy)   | 9     | kJ/m²   | ISO 179/1eA      |
| Resistencia al impacto (Charpy)               | 7.7   | kJ/m²   | ISO 179          |
| Coefficiente de expansi³n t³rmica             | 1.6   | 10³/K   | ISO 11359-2      |

| Egenskap                    | Värde | Enhet      | Standard |
|-----------------------------|-------|------------|----------|
| Dureza Shore D              | 72    | Å° Shore D | ISO 868  |
| Dureza a la presi3n de bala | 110   | MPa        | ISO 2039 |

2. Kemisk beständighet

● Beständig ● Delvis beständig ● Ej beständig

| 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                               | â€”   | <span>●</span> |
| Ammonium chloride                     | â€”   | <span>●</span> |
| Amyl alcohol                          | â€”   | <span>●</span> |
| Benzene                               | â€”   | <span>●</span> |
| Bleaching solution                    | â€”   | <span>●</span> |
| Boric acid                            | 100   | <span>●</span> |
| Brake fluid                           | â€”   | <span>●</span> |
| Butyl acetate                         | â€”   | <span>●</span> |
| Calcium chloride                      | â€”   | <span>●</span> |
| Carbon disulphide                     | 100   | <span>●</span> |
| Carbon tetrachloride                  | â€”   | <span>●</span> |
| Chlorine (gas)                        | 100   | <span>●</span> |
| Chlorobenzene                         | 100   | <span>●</span> |
| Chloroform                            | â€”   | <span>●</span> |
| Citric acid                           | 10    | <span>●</span> |
| Cresol                                | â€”   | <span>●</span> |
| Cyclohexanone                         | 100   | <span>●</span> |
| Cyclohexene                           | 100   | <span>●</span> |
| Diesel                                | â€”   | <span>●</span> |
| Diethylene oxide                      | â€”   | <span>●</span> |
| Ethyl acetate                         | 100   | <span>●</span> |
| Ethyl alcohol (ethanol)               | 96    | <span>●</span> |
| Ethylene chloride                     | 100   | <span>●</span> |

| Kemikalie                        | Konc.       | Resultat |
|----------------------------------|-------------|----------|
| Food oil                         | â€”         | ●        |
| Formaldehyde, aqueous            | 40          | ●        |
| Formic acid                      | 10          | ●        |
| Frost protection agent           | â€”         | ●        |
| Fuel oil                         | â€”         | ●        |
| 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€”         | ●        |
| 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 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) | 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€”    | ●        |