



# PP-H AlphaPlus 2000x1000x30 mm grÃ¥

Artikelnr P2201041

## 1. Tekniskt datablad

| Egenskap                                   | VÃrde  | Enhet    | Standard         |
|--------------------------------------------|--------|----------|------------------|
| Density                                    | 0.91   | g/cmÃ³   | ISO 1183         |
| Tensile Strength                           | 36     | MPa      | ISO 527          |
| Modulus of elasticity (tensile)            | 1700   | MPa      | ISO 527-2        |
| Breakdown Voltage                          | 30     | MPa      | ISO 527          |
| Break Elongation                           | 8      | %        | ISO 527-2        |
| Melting point                              | 161    | Ã°C      | DIN EN ISO 11357 |
| Maximal operating temperature (short-term) | 127    | Ã°C      | UL746B           |
| Maximum Operating Temperature              | 80     | Ã°C      |                  |
| Minimum temperature                        | -7     | Ã°C      |                  |
| Heat deflection temperature (HDT/A)        | 54     | Ã°C      | ISO 75           |
| Heat deflection temperature (HDT/B)        | 90     | Ã°C      | ISO 75           |
| Vicat softening temperature (VST/B/50)     | 50     | Ã°C      | ISO 306          |
| Dielectric Strength                        | 40     | kV/mm    | IEC 60243-1      |
| Volume Resistivity                         | 10Ã¹Ã³ | Î©       | DIN EN 62631-3-1 |
| Dielectric Constant (1 MHz)                | 2.4    | -        | IEC 60250        |
| Dielectric loss factor (1 MHz)             | 13.4   | -        | IEC 60250        |
| Dielectric loss factor (100 Hz)            | 0.0    | -        | IEC 60250        |
| Flammability Classification (UL 94)        | 60695  |          | UL 94            |
| Flexural Strength                          | 37     | MPa      | DIN EN ISO 527-2 |
| Thermal Conductivity                       | 0.27   | W/(mÃK) | ISO 22007-4      |
| Surface Resistivity                        | 10Ã¹Ã³ | Î©       | IEC 60093        |
| Comparative Tracking Index (CTI)           | 600    | V        | IEC 60112        |
| Water absorption to saturation             | 0.2    | %        | ISO 62           |
| Water Absorption to Saturation             | 0.2    | %        | ISO 62           |
| Notched impact strength (Charpy)           | 9      | kJ/mÃ²   | ISO 179/1eA      |
| Impact Resistance (Charpy)                 | 7.7    | kJ/mÃ²   | ISO 179          |

| Egenskap                      | V rde | Enhet      | Standard    |
|-------------------------------|-------|------------|-------------|
| Thermal Expansion Coefficient | 1.6   | 10    /K   | ISO 11359-2 |
| Hardness Shore D              | 72    |    Shore D | ISO 868     |
| Ball pressure hardness        | 110   | MPa        | ISO 2039    |

## 2. Kemisk best ndighet

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| Kemikalie                             | Konc. | Resultat |
|---------------------------------------|-------|----------|
| 1,4-Dioxane                           | 100   |          |
| 2-Hydroxypropionic acid (lactic acid) | 90    |          |
| Acetic acid                           | 100   |          |
| Acetone                               | 100   |          |
| Ammonia                               |       |          |
| Ammonium chloride                     |       |          |
| Amyl alcohol                          |       |          |
| Benzene                               |       |          |
| Bleaching solution                    |       |          |
| Boric acid                            | 100   |          |
| 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                                |       |          |
| Diethylene oxide                      |       |          |
| Ethyl acetate                         | 100   |          |
| Ethyl alcohol (ethanol)               | 96    |          |
| Ethylene chloride                     | 100   |          |

| 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) | 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€”    | ●        |