



# PP-H AlphaPlus 2000x1000x50 mm grÅ

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Kategori PP

## Tekniska egenskaper

### Density & Weight

| Egenskap | Värde | Enhet | Provningsstandard |
|----------|-------|-------|-------------------|
| Density  | 0.91  | g/cm³ | ISO 1183          |

### Tensile Properties

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| 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         |

### Temperature Limits

| Egenskap                                   | Värde | Enhet | Provningsstandard |
|--------------------------------------------|-------|-------|-------------------|
| Melting point                              | 161   | °C    | DIN EN ISO 11357  |
| Maximal operating temperature (short-term) | 127   | °C    | UL746B            |
| Maximum Operating Temperature              | 80    | °C    |                   |
| Minimum temperature                        | -7    | °C    |                   |
| Heat deflection temperature (HDT/A)        | 54    | °C    | ISO 75            |
| Heat deflection temperature (HDT/B)        | 90    | °C    | ISO 75            |
| Vicat softening temperature (VST/B/50)     | 50    | °C    | ISO 306           |

### Insulation Properties

| Egenskap                        | Värde | Enhet | Provningsstandard |
|---------------------------------|-------|-------|-------------------|
| Dielectric Strength             | 40    | kV/mm | IEC 60243-1       |
| Volume Resistivity              | 10¹³  | Ω·cm  | 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         |



