



# PP-H AlphaPlus 2000x1000x12 mm grÃƒŸ

Artikelnr P2201037  
Kategori PP

## Tekniska egenskaper

### Density & Weight

| Egenskap | VÃƒrde | Enhet   | Provningsstandard |
|----------|--------|---------|-------------------|
| Density  | 0.91   | g/cmÃƒ³ | ISO 1183          |

### Tensile Properties

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

### Insulation Properties

| Egenskap                        | VÃƒrde   | Enhet | Provningsstandard |
|---------------------------------|----------|-------|-------------------|
| Dielectric Strength             | 40       | kV/mm | IEC 60243-1       |
| Volume Resistivity              | 10Ãƒ¹Ãƒ¸ | 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         |

## Flexural Properties

| Egenskap                            | VÄrde | Enhet | Provningsstandard |
|-------------------------------------|-------|-------|-------------------|
| Flammability Classification (UL 94) | 60695 |       | UL 94             |

### Static spread

| Egenskap                         | VÄrde               | Enhet | Provningsstandard |
|----------------------------------|---------------------|-------|-------------------|
| Surface Resistivity              | 10 <sup>11</sup> Å³ | Î©    | IEC 60093         |
| Comparative Tracking Index (CTI) | 600                 | V     | IEC 60112         |

| Egenskap                       | VÄrde | Enhet | Provningsstandard |
|--------------------------------|-------|-------|-------------------|
| Water absorption to saturation | 0.2   | %     | ISO 62            |
| Water Absorption to Saturation | 0.2   | %     | ISO 62            |

| Egenskap                         | VÄrde | Enhet  | Provningsstandard |
|----------------------------------|-------|--------|-------------------|
| Notched impact strength (Charpy) | 9     | kJ/mÅ² | ISO 179/1eA       |
| Impact Resistance (Charpy)       | 7.7   | kJ/mÅ² | ISO 179           |

| Egenskap                      | Värde | Enhet               | Provingsstandard |
|-------------------------------|-------|---------------------|------------------|
| Thermal Expansion Coefficient | 1.6   | 10 <sup>-6</sup> /K | ISO 11359-2      |

| Egenskap               | V rde | Enhet     | Provningsstandard |
|------------------------|-------|-----------|-------------------|
| Hardness Shore D       | 72    |   Shore D | ISO 868           |
| Ball pressure hardness | 110   | MPa       | ISO 2039          |

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