

- UDEL P1700 NT -

| PROPERTIES | UNIT | TEST METHOD | VALUES |
|--|-------------------|-------------|-------------|
| <u>Physical</u> | | | |
| unreinforced | | | |
| Density | g/cm ³ | ASTM D 1505 | 1.24 |
| Water absorption at 24 H | % | ASTM D 570 | 0.3 |
| Coefficient of thermal expansion (x 10 ⁻⁵) | 1/°C | ASTM D 696 | 5.6 |
| <u>Mechanical</u> | | | |
| Tensile stress | MPa | ASTM D 638 | 70 |
| Tensile modulus | MPa | ASTM D 638 | 2480 |
| Elongation at break | % | ASTM D 638 | 50-100 |
| Flexural stress | MPa | ASTM D 790 | 106 |
| Flexural modulus | MPa | ASTM D 790 | 2690 |
| Impact Izod notched (3.2 mm) | J/m | ASTM D 256 | 69 |
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| <u>Thermal</u> | | | |
| HDT / Af at 1,80 MPa | °C | ASTM D 648 | 174 |
| Indices thermal | °C | UL 746B | 160 |
| UL 94 rating flame class rating / at mm thickness | Class / mm | UL 94 | V0 / 4.47mm |
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| <u>Electrical</u> | | | |
| Dielectric strength (3.2 mm) | kV/mm | ASTM D 149 | 17 |
| Dielectric constant at 60 Hz | | ASTM D 150 | 3.15 |
| Dielectric constant at 1 KHz | | ASTM D 150 | 3.14 |
| Dielectric constant at 1 MHz | | ASTM D 150 | 3.10 |
| Dissipation factor at 60 Hz | | ASTM D 150 | 0.0011 |
| Dissipation factor at 1 KHz | | ASTM D 150 | 0.0013 |
| Dissipation factor at 1 MHz | | ASTM D 150 | 0.0050 |
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The values indicated are it with titles codes and do not engage to in no case the responsibility for company PHT



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