

- RYTON R4 02 NOIR -

| PROPERTIES | UNIT | TEST METHOD | VALUES |
|----------------------------------|-------------------|---------------|------------------------|
| <u>Physical</u> | | | |
| Glass reinforced 40% | | | |
| Density | g/cm ³ | ASTM D1505-68 | 1.65 |
| Water absorption 24h at 25°C | % | ASTM D570-63 | 0.05 |
| Coefficient of thermal expansion | K ⁻¹ | - | 2.2 x 10 ⁻⁵ |
| <u>Mechanical</u> | | | |
| Tensile stress | MPa | ASTM D638-72 | 155 |
| Tensile strain at break | % | ASTM D638-72 | 1.1 |
| Flexural modulus | GPa | ASTM D790-71 | 14 |
| Flexural strength | MPa | ASTM D790-71 | 195 |
| Izod impact 3.2 mm unnotched | J/m | ASTM D256-72a | 250 |
| Izod impact 3.2 mm notched | J/m | ASTM D256-72a | 70 |
| Charpy impact unnotched | KJ/m ² | DIN 53453 | 16 |
| Charpy impact notched | KJ/m ² | DIN 53453 | 7 |
| <u>Thermal</u> | | | |
| HDT 1.81 MPa | °C | ASTM D648-72 | >260 |
| Relative temperature index | °C | | 200 / 220 |
| Thermal conductivity | W/m,°C | | 0.3 |
| Flammability UL94 | Class | UL 94 | V0 / 5V |
| Oxygen index | % | ASTM D2863-74 | 47 |
| <u>Electrical</u> | | | |
| Dielectric strength at 3.2 mm | kV/mm | ASTM D149-64 | 17 |
| Dielectric constant 25°C, 1 kHz | | ASTM D150-70 | 3.9 |
| Dielectric constant 25°C, 1 MHz | | ASTM D150-70 | 3.8 |
| Dissipation factor 25°C, 1 kHz | | ASTM D150-70 | 0.002 |
| Dissipation factor 25°C, 1 MHz | | ASTM D150-70 | 0.002 |
| Volume resistivity | Ohm.cm | ASTM D257-66 | 1 x 10 ¹⁶ |
| Arc resistance | sec | ASTM D495-73 | 34 |
| Hot wire ignition | Volt | UL 746A | 130 |

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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