

Technical Data

| PROPERTY | UNIT | ASTM METHOD | VALUE |
|--|-------------------|-------------|----------|
| Physical | | | |
| Specific Gravity | g/cm ³ | D 792 | 1.34 |
| Water Absorption, 24 hours* | % | D570 | 0.23 |
| Water Absorption, 48 hours* | % | D570 | 0.6 |
| Mechanical | | | |
| Tensile Strength (RT) | N/mm ² | D638 | 72.5 |
| Tensile Modulus (260°C) | N/mm ² | D638 | 38 |
| Elongation (RT) | % | D638 | 8 |
| Compressive Strength (1% strain)* | N/mm ² | D695 | 26 |
| Compressive Strength (10% strain)* | N/mm ² | D695 | 127.5 |
| Compressive Modulus* | N/mm ² | D695 | 2.8E+03 |
| Flexural Strength | N/mm ² | D790 | 83 |
| Flexural Modulus | N/mm ² | D790 | 2.7E+03 |
| Hardness , Rockwell E* | - | D785 | 45 - 55 |
| Electrical | | | |
| Dielectric strength, short time 2 mm thick | MV/m | D149 | 16.4 |
| Dielectric constant 100 Hz* | - | D150 | 3.18 |
| Dielectric constant 10 kHz* | - | D150 | 3.16 |
| Dielectric constant 1 MHz* | - | D150 | 3.14 |
| Thermal | | | |
| Thermal Conductivity | W/(m.K) | F433 | 0.31 |
| Coefficient of Thermal Expansion (23 to 260°C) | M/m/°C | E831 | 4.86E-05 |
| Tribological | | | |
| Coefficient of friction @ 0.8772 PV = 1.72 MPa x 0.51 m/s | - | D3702 | 0.23 |
| Coefficient of friction @ 3.51 PV = 3.45 MPa x 1.02 m/s | - | D3702 | 0.27 |

Data obtained from direct formed samples, except as noted

* Compression moulded sample

revision : - DK

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