

| TYPICAL PROPERTIES OF MYKROY / MYCALEX® | | | |
|--|------------------|------------------|------------------|
| Property | MM® 400 | MM® 500 | MM® 1100 |
| PHYSICAL | | | |
| Density (g/cm ³) | 2.5 | 2.7 | 2.8 |
| Moisture Absorption (%) | Nil | Nil | Nil |
| Color | D-Gray | L-Gray | Cream |
| Mica Filler | Natural | Synthetic | Synthetic |
| Flammability | DOES NOT BURN | | |
| MECHANICAL | | | |
| Tensile Strength (psi) | 6,000 | 6,000 | 5,000 |
| Flexural Strength (psi) | 13,000 | 12,500 | 11,000 |
| Compressive Strength (psi) | 45,000 | 40,000 | 32,000 |
| Modulus of Elasticity (psi x 10 ⁶) | 11.0 | 12.0 | 10.6 |
| Hardness, Rockwell (H / A) | 90 / 46 | 90 / 46 | 91 / 47 |
| IZOD Notched Impact (ft-lbs/in) | 1.8 | 1.7 | 1.3 |
| THERMAL | | | |
| Max Continuous Use Temp (°F/°C) | 750 / 400 | 750 / 400 | 1100 / 595 |
| Thermal Conductivity (W/m.K) | 0.87 | 1.15 | 1.32 |
| Coefficient of Thermal Expansion (x 10 ⁻⁶) (/°C @ 25°C) | 12.5 | 11.57 | 10.48 |
| (@ 350°C) | 11.0 | 10.53 | 9.74 |
| (@ 500°C) | --- | --- | 9.39 |
| Specific Heat (cal/g/°C) | 0.12 | 0.12 | 0.11 |
| ELECTRICAL | | | |
| Dielectric Strength (V/mil) | 730 | 530 | 420 |
| Arc Resistance (Seconds) | 245 | 260 | 345 |
| Dissipation Factor at 1 MHz | 0.0018 | 0.0013 | 0.0017 |
| Loss Index at 1 MHz | 0.012 | 0.009 | 0.012 |
| Surface Resistivity (ohm-sq)at 25°C | 10 ⁹ | 10 ¹² | 10 ¹¹ |
| Volume Resistivity (ohm-cm)at 25°C | 10 ¹⁰ | 10 ¹⁴ | 10 ¹² |
| Dielectric Constant at 1 MHz | 6.7 | 6.9 | 6.8 |