

GLASS COMPOSITES

LM36

| <u>PROPERTY</u> | <u>TEST METHOD</u> | <u>VALUE</u> | <u>UNIT</u> |
|--|--------------------|----------------------|-------------------|
| <u>MECHANICAL CHARACTERISTICS</u> | | | |
| TENSILE STRENGTH | ISO 527 | 300 | Mpa |
| FLEXURAL STRENGTH | ISO 178 | 450 | Mpa |
| SHEAR STRENGTH | EN60893-2 | | Mpa |
| IMPACT STRENGTH | ISO 179 | 50 | KJ/m ² |
| COMPRESSIVE STRENGTH | ISO 604 | 300 | Mpa |
| MODULUS STRENGTH | ISO 178 | 25 000 | Mpa |
| <u>PHYSICAL STRENGTH</u> | | | |
| SPECIFIC GRAVITY | ISO 1183 | 1.9 | g/cm ³ |
| WATER ABSORPTION | ISO 62/1 | 22 | mg |
| THERMAL CLASSIFICATION | IEC 216 | 180 (H) | °C |
| <u>ELECTRICAL CHARACTERISTICS</u> | | | |
| ARC RESISTANCE | ASTM D495 | | sec |
| ELECTRICAL STRENGTH IN OIL | IEC 243-1 | | |
| FLAT WISE PERPENDICULAR (3MM) | | 15 | KV/mm |
| EDGEWISE PARALLEL | | 40 | KV |
| PERMITTIVITY AT 48-62 Hz | IEC 250 | 5.5 | |
| DISSIPATION FACTOR AT 48-62Hz | IEC 250 | 0.04 | |
| INSULATION RESISTANCE | IEC 167 | 5 x 10 ¹⁰ | ohm |
| <u>FIRE BEHAVIOR</u> | | | |
| FLAME RESISTANCE | UL 94 | | |
| SMOKE INDEX | ASTM E662 | | |
| STANDARDS MET | | | |
| EW | | | |
| NEMA L1 | | G11 | |
| DIN 7735 | | Hgw2372.4 | |
| BS 3953 | | EP7 | |
| CEI | | EV | |
| COLOUR | | NATURAL | |