

| GENERAL PROPERTIES  | Method              | Units                            | Value              |
|---|---------------------|----------------------------------|--------------------|
| density   |                     | gr/cm3                           | 2,15               |
| material  | PTFE                |                                  |                    |
| <b>MECHANICAL PROPERTIES</b>  |                     |                                  |                    |
| Tensile strenght  | ASTM D 4894         | MPa                              | 22                 |
| Elongation at break   | ASTM D 4894         | %                                | 200                |
| Ball indentation hardness   | ISO 13000-2         | MPa                              | 23                 |
| Compression strength  | ASTM D 695          | MPa                              | 5                  |
| water absorption saturation @ 23 °c                                 | ASTM D 570          | %                                | 0.01<              |
| Charpy impact strenght  | ISO 179/2D          | Kj/m2                            | 15                 |
| <b>THERMAL PROPERTIES</b>   |                     |                                  |                    |
| Glass transition temperature  | DIN 53765           | °C                               | -20                |
| Service temperature   |                     | °C                               | 260                |
| Thermal expansion   | ASTM C 177          | 10 <sup>-5</sup> K <sup>-1</sup> | 13                 |
| Thermal conductivity  | ASTM C 177          | W / (k*m)                        | 0.2                |
| <b>ELECTRICAL PROPERTIES</b>  |                     |                                  |                    |
| Surface resistance  | ASTM D 257          | Ω                                | 16 <sup>^</sup> 10 |
| Specific volume resistance  | ASTM D 257          | Ω*cm                             | 17 <sup>^</sup> 10 |
| Dielectric strength   | ASTM D 149          | kV / mm                          | 80                 |
| Dielectric constant   | ASTM D 150          |                                  | 2,1                |
| <b>FIRE PERFORMANCE</b>   |                     |                                  |                    |
| Flammability (UL94)   | DIN IEC 60995-11-10 | V0                               |                    |
| <b>MAIN CHARACTERISTICS</b>   |                     |                                  |                    |
| Excellent resistance to continuous service temperature up to 260°C. |                     |                                  |                    |
| Satisfactory low temperature resistance as low as -200°C.           |                     |                                  |                    |
| Excellent chemical resistance                                       |                     |                                  |                    |
| Excellent electrical insulation                                     |                     |                                  |                    |
| Excellent slide and wear properties                                 |                     |                                  |                    |
| Inherent flame retardant  |                     |                                  |                    |