



# 60% Bronze PTFE Datasheet

Typical properties of 60% bronze PTFE:

| Property   | Method     | Units                | Specification   |
|--|------------|----------------------|-----------------|
| Specific gravity   | ASTM D4884 | g/cm <sup>3</sup>    | 3.900 - 3.980   |
| Tensile strength   | ASTM D4894 | MPa                  | ≥ 17            |
| Elongation   | ASTM D4894 | %                    | ≥ 150           |
| Hardness   | ASTM D2240 | Shore D              | ≥ 65            |
| Deformation under load<br>(140 Kg/cm <sup>2</sup> for 24 h at 23° C) | ASTM D621  | %                    | 5.5 - 6.5       |
| Permanent deformation<br>(after 24 h relaxation at 23° C)            | ASTM D621  | %                    | 2 - 2.5         |
| Coefficient of linear thermal expansion<br>(T = 25° - 100° C)        | ASTM D696  | 10 <sup>-5</sup> /C° | 8 - 8.5         |
| Coefficient of static friction                                       | ASTM D1894 |                      | 0.18 - 0.20     |
| Coefficient of dynamic friction                                      | ASTM D1894 |                      | 0.16 - 0.18     |
| Volume resistivity   | ASTM D257  | Ohm/cm               | 10 <sup>7</sup> |
| Service temperature  |            | C°                   | -200 / +260     |

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