



PTFE 20% Aramid Fibers

80% PTFE
20% Aramid Fibers

| Properties | Norm | Value | Unit |
|---|------------|--------------------|-------------------|
| Mechanical properties | | | |
| Bulk density | ASTM D4894 | 600 | g/l |
| Hardness shore D | -- | 63 +/- 3 | Sh. D. |
| Ball pressure hardness | ISO 2032 | 54,0 – 56,0 | N/mm ² |
| Tensile strength (23°C) | ASTM D4894 | 11 | N/mm ² |
| Elongation at break (23°C) | ASTM D4894 | 200 | %min |
| Coëff. of friction – statical | ASTM D1894 | 0,30 – 0,40 | -- |
| Volume resistivity | ASTM D257 | 1,00 ¹² | Ωcm |
| Physical properties | | | |
| Specific gravity | ASTM D792 | 1,93 – 1,96 | g/cm ³ |
| Deformation after 24h at 23°C – 15N/mm ² | ASTM D621 | 1,7 – 3,0 | % |
| Thermal properties | | | |
| Thermal conductivity (23°C) | ASTM C177 | 0,220 | W/K.m |
| Maximum Continuous operating temperature | -- | 250 | °C |
| Minimum Continuous operating temperature | -- | -50 | °C |
| Maximum operating temperature | -- | 365 | °C |

Disclaimer: Information contained in this data sheet is up-to-date and correct as at the date of issue. The given information is only informative and we cannot guarantee the accuracy nor can we take any accountability for the use of this information. The customer is responsible for the quality of products and has to test usage and processing to use. Some values are based on the datasheet of the supplier, internal tests and research. The values are guideline values that can be used for comparison for material selection.