

TECHNICAL DATA SHEET

PTFE G673

| Properties | Unit | Method | Moulded |
|--|---------------------------------------|--------------------------|---------------|
| PHYSICAL - MECHANICAL | | | |
| Density | g/cm ³ | ASTM D792 | 3,35 - 3,45 |
| Hardness - Shore D | / | ASTM D2240 | ≥ 60 |
| Tensile Strength - CD | N/mm ² | ISO 12086 ISO 527 | ≥ 20 |
| Elongation at break - CD | % | ISO 12086 ISO 527 | ≥ 230 |
| Compressive strength (offset 1%) - CD | N/mm ² | ASTM D695 | > 13 |
| Deformation under load at room temperature after 24 hours at 13,7 N/mm ² - CD | % | ASTM D621 | ≤ 6 |
| Permanent deformation as above after 24 hours of rest at room temperature - CD | % | ASTM D621 | ≤ 3 |
| TRIBOLOGICAL | | | |
| Dynamic coefficient of friction ^① | / | ASTM D1894 ASTM D3702 | 0,25 - 0,35 |
| Wear factor K ^① | 10 ⁻⁷ mm ³ /N*m | ASTM D3702 | 30 - 40 |
| THERMAL | | | |
| Service Temperature (min - max) | °C | / | - 200 / + 260 |
| Thermal expansion coefficient (linear) 25 - 100°C | 10 ⁻⁵ (mm/mm)/ °C | Similar to ASTM D696 | 10 - 12 |

^① PV=0,35 [MPa*m/s] Counterface: Cast iron

CD=Cross Direction

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice.
Deviations from the values hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.

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GUARNIFLON SPA
(Società Socio Unico soggetta all'attività di direzione e coordinamento ex art. 2497 bis C.C. da parte di Mazza Holding srl)
Via T. Tasso n. 12 - 24060 Castelli Calepio (BG) ITALY
VAT N° IT 01406020162
C.F. 01406020162
REG.IMPRESE DI BG - REA N. 203233
CAPITALE SOCIALE € 10.000.000 interamente versato

PTFE Products Division

Phone +39.035.4494311
Domestic Dept. Fax +39.035.4425191
Export Dept. Fax +39.035.4425238

PTFE Finished and Semifinished products
<http://www.guarniflon.com> - info@guarniflon.com
Accounting Dept. fax +39.035.4425249



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