











Guide Rings Overview

| MATERIAL CODE | PR6501 | PH6501 | PH6502 | PH6503 | PH6504 | PM9901 | PM9902 | PR6502 | PT6002 | PT6003 |
|-------------------------|---|---|---|---|---|---|--|---|---|---|
| DESCRIPTION | Synthetic Fabric Polyester Resin + PTFE | Synthetic Fabric Phenolic Resin + PTFE | Polyester Fabric Phenolic Resin | Graphite Reinforced Synthetic Fiber Polyester Resin | Aramid Fabric Phenolic Resin + Graphite | POM | Glass Reinforced POM | Cotton Fabric Phenolic Resin | Carbon Filled PTFE | Bronze Filled PTFE |
| |  |  |  |  |  |  |  |  |  |  |
| KASTAŞ CODE | K73 | K75 | K76 | K79 | K78 | K70 | K68 | K72 | KKT | KBT |
| | KPB | | KSB | | | | K69 | | | |
| Specific Gravity | 1.21 g/cm ³ | 1.2 g/cm ³ | 1.15 g/cm ³ | 1.21 g/cm ³ | 1.4 g/cm ³ | 1.42 g/cm ³ | 1.59 g/cm ³ | 1.3 g/cm ³ | 2.1 g/cm ³ | 3.1 g/cm ³ |
| Hardness | 98 Rockwell M | 95 Rockwell M | 95 Rockwell M | 100 Rockwell M | 115 Rockwell M | 80 Rockwell M | 85 Rockwell M | 96 Rockwell M | 65 Shore D | 58 Shore D |
| Tensile Strength | 50 N/mm ² | 45 N/mm ² | 45 N/mm ² | 50 N/mm ² | 50 N/mm ² | 73 N/mm ² | 128 N/mm ² | 51 N/mm ² | 19 N/mm ² | 20 N/mm ² |
| Compressive Strength | 330 N/mm ² | 345 N/mm ² | 270 N/mm ² | 290 N/mm ² | 344 N/mm ² | 30 N/mm ² | 40N/mm ² | 275 N/mm ² | 25 N/mm ² | 25 N/mm ² |
| Water Absorbtion | < 0.1% | < 0.1% | < 0.16 % | < 0.1% | < 0.1% | < 0.26 % | < 0.26 % | < 1% | < 0.1% | < 0.1% |
| Coefficient of Friction | 0.12-0.15 μ | 0.12-0.15 μ | 0.15-0.2 μ | 0.10-0.14 μ | 0.13-0.17 μ | 0.1 μ | 0.1 μ | 0.12 μ | 0.08 μ | 0.15-0.25 μ |
| Temperature Range | -40 / +120 °C | -40 / +130 °C | -40 / +120 °C | -40 / +120 °C | -40 / +200 °C | -40 / +100 °C | -40 / +100 °C | -40 / +120 °C | -200 / +200 °C | -200 / +200 °C |
| Sliding Speed (max) | 1 m/s | 1 m/s | 1 m/s | 1 m/s | 5 m/s | 1 m/s | 1 m/s | 1 m/s | 15 m/s | 15 m/s |

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