



TRIDELTA Hartferrite GmbH

a member of the TRIDELTA Group

| Maniperm® Grades | | | | | | | |
|---------------------------------------|---------------------|---|-------|-------|-------|-------|----------------|
| characteristics | unit | 881 | 882 | 884 | 885 | 864 | 886 |
| | | Equivalent material according DIN EN 60404-8-1 : 2016 | | | | | |
| | | 30/26 | 31/27 | 30/33 | 34/29 | 29/35 | 36/32 |
| B _R | mT | 400 | 410 | 400 | 420 | 395 | 440 |
| H _{CB} | kA/m | 285 | 290 | 290 | 270 | 290 | 300 |
| H _{CJ} | kA/m | 300 | 300 | 330 | 290 | 355 | 320 |
| (BH) _{max} | kJ/m ³ | 31 | 32 | 31 | 34 | 29 | 36 |
| Permanent permeability μ _p | | 1,03 | | | | | |
| Density | g/cm ³ | 4,8 | 4,8 | 4,8 | 4,9 | 4,8 | 4,9 |
| Curie temperatur | °C | 450 | | | | | |
| TC of B _R | %/K | -0,2 | | | | | -0,2 ... -0,18 |
| TC of H _{CJ} | %/K | 0,3 | | | | | 0,16 ... 0,3 |
| TC of linear expansion | | | | | | | |
| preferred direction | 10 ⁻⁶ /K | 15 | | | | | |
| ⊥ preferred direction | 10 ⁻⁶ /K | 9 | | | | | |
| Magnetising field strength | kA/m | 1.000 | 1.000 | 1.100 | 1.000 | 1.200 | 1100 |
| Resistivity | Ωm | >10 ⁴ | | | | | |
| E-Modul | | 150 | | | | | |
| | kN/m ² | | | | | | |
| Tensile strength | | 50 | | | | | |
| | N/mm ² | | | | | | |
| Compressive strength | N/mm ² | 500 | | | | | |
| Mohs hardness | | 6 – 7 | | | | | |
| Calorific conductivity | W/mK | 5 – 10 | | | | | |