# Ferrite

| mark / unit / grade | Remanence | | Coercivity | | Intrinsic Coercivity | | Maximum Energy Product | |
|---|---|---|---|---|---|---|---|---|
| | mT | KG | KA/m | Koe | KA/m | Koe | KJ/m3 | MGOe |
| Y8T | 200-235 | 2.0-2.35 | 125-160 | 1.57-2.01 | 210-280 | 2.64-3.52 | 6.5-9.5 | 0.8-1.2 |
| Y20 | 320-380 | 3.2-3.8 | 135-190 | 1.70-2.38 | 140-195 | 1.76-2.45 | 18.0-22.0 | 2.3-2.8 |
| Y22H | 310-360 | 3.1-3.6 | 220-250 | 2.77-3.14 | 280-320 | 3.52-4.02 | 20.0-24.0 | 2.5-3.2 |
| Y23 | 320-370 | 3.2-3.7 | 170-190 | 2.14-2.38 | 190-230 | 2.39-2.89 | 20.0-25.5 | 2.5-3.2 |
| Y25 | 360-400 | 3.6-4.0 | 135-170 | 1.70-2.14 | 140-200 | 1.76-2.51 | 22.5-28.0 | 2.8-3.5 |
| Y26H | 360-390 | 3.6-3.9 | 220-250 | 2.77-3.14 | 225-255 | 2.83-3.21 | 23.0-28.0 | 2.9-3.5 |
| Y27H | 370-400 | 3.7-4.0 | 205-250 | 2.58-3.14 | 210-255 | 2.64-3.21 | 25.0-29.0 | 3.1-3.7 |
| Y28H | 370-400 | 3.7-4.0 | 175-210 | 2.20-2.64 | 180-220 | 2.26-2.77 | 26.0-30.0 | 3.3-3.8 |
| Y30H-1 | 380-400 | 3.8-4.0 | 230-275 | 2.89-3.46 | 235-290 | 2.95-3.65 | 27.0-32.0 | 3.4-4.1 |
| Y30H-2 | 395-415 | 3.95-4.15 | 275-300 | 3.46-3.77 | 310-335 | 3.90-4.21 | 28.5-32.5 | 3.5-4.0 |
| Y32 | 400-420 | 4.0-4.2 | 160-190 | 2.01-2.38 | 165-195 | 2.07-2.45 | 30.0-33.5 | 3.8-4.2 |
| Y33 | 410-430 | 4.1-4.3 | 220-250 | 2.77-3.14 | 225-255 | 2.83-3.21 | 31.5-35.0 | 4.0-4.4 |

| Physical performance of ferrite | | | |
|---|---|---|---|
| Parameter | Sign | Unit | Value |
| Recoil permeability | μrec | Gs/Oe | 1.05-1.3 |
| Curie temperature | Tc | ℃ | 450 |
| Remanence temperature coefficient | α(Br) | ℃-1 | -0.2%(0-100℃) |
| Density | d | g/cm³ | 4.7-5.0 |
| Specific resistance | ρ | ℃-1 | ≥106 |
| Coefficient of linear expansion | α | ℃-1 | - |
| Hardness | HV | - | 480-580 |