

Main Physical & Mechanical Properties of Flexible Ferrite Magnet

| Material Grade | | BFF5.1* | BFF10.A* | BFF11.A | BFF11.A | BFF12.A | BFF12.A | BFF13B.A | BFF13B.A | BFF13.A | BFF13.A | BFF13H.A | BFF13H.A | BFF14.A |
|--------------------------|-------------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| Binder | | CPE | NBR | CPE | NBR | CPE | NBR | CPE | NBR | CPE | NBR | CPE | NBR | CPE |
| Tensile Strength | Mpa | >3.5 | >2.5 | >3.5 | >2.5 | >3.5 | >2.5 | >3.5 | >2.5 | >3.5 | >2.5 | >2.5 | >2.5 | >3.5 |
| Elongation | % | >30 | >20 | >30 | >20 | >30 | >20 | >30 | >20 | >30 | >20 | >20 | >20 | >30 |
| Hardness | Shore D | 30-50 | 30-45 | 30-50 | 30-45 | 30-50 | 30-45 | 30-50 | 30-45 | 30-50 | 30-45 | 30-45 | 25-45 | 30-50 |
| Density | g/cm ³ | 3.65-3.80 | 3.60-3.75 | 3.65-3.80 | 3.60-3.75 | 3.65-3.80 | 3.60-3.75 | 3.65-3.80 | 3.60-3.75 | 3.65-3.80 | 3.60-3.75 | 3.60-3.75 | 3.60-3.75 | 3.65-3.80 |
| Weight Reduction By Heat | % | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Curie Temp. | °C | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |
| Working Temp. Range | °C | -40 to 85 | -40 to 100 | -40 to 85 | -40 to 100 | -40 to 85 | -40 to 100 | -40 to 85 | -40 to 100 | -40 to 85 | -40 to 100 | -40 to 85 | -40 to 100 | -40 to 85 |

Remark: "I" / Isotropic, "A" / Anisotropic