

**Material Grade: DM4550 high property hard ferrite material**

Property	Unit	Specification
Br Residual Flux Density	(mT)	450±10
	[Gs]	4500±100
Hcb Coercive Force	(kA/m)	336±16
	[Oe]	4200±200
Hcj Intrinsic Coercive Force	(kA/m)	400±12
	[Oe]	5000±150
(BH)max Max.Energy Product	(kJ/m <sup>3</sup> )	38.4±1.6
	[MGOe]	4.8±0.2
μec Relative Permeability	/	1.05-1.1
Br temperature coefficient ΔBr/Br/ΔT	(%/°C)	-0.18
Hcj temperature coefficient ΔHcj/Hcj/ΔT	(%/°C)	0.15
Tc Curie Temperature	(°C)	460
ρ Density	(kg/m <sup>3</sup> )	(4.90~5.10) × 10 <sup>3</sup>
	[g/cm <sup>3</sup> ]	4.90~5.10
Anti-Bending Strength	(N/m <sup>2</sup> )	(0.5~0.9) × 10 <sup>8</sup>
	[kgf/mm <sup>2</sup> ]	5~9
Anti-Compressive Strength	(N/m <sup>2</sup> )	≥6.9×10 <sup>8</sup>
	[kgf/mm <sup>2</sup> ]	≥70
Anti-Tensile Strength	(N/m <sup>2</sup> )	(0.2~0.5) × 10 <sup>8</sup>
	[kgf/mm <sup>2</sup> ]	2~5

# 横店集团东磁股份有限公司 (DMEGC)

HENGDIAN GROUP DMEGC MAGNETICS CO., LTD.

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