

Grade	Maximum	Residual	Minimum	Coercivity	Maximum	Curie Temp	Coefficient	Coefficient
	Energy	Induction	Intrinsic		Operating		Induction	Coercivity
	Product		Coercivity		Temp		[20-150 °C]	[20-150 °C]
	BH_{max}	B_r	H_{ci}	H_c	T_{mo}	T_c	α	β
	kJ/m³	mT	kA/m	kA/m	°C	°C	% / °C	% / °C
Cast								
AC200	12.7	720	47.7	46.2	450	810	-0.03	-0.03
AC300	10.7	700	39.8	38.2	450	760	-0.02	-0.02
AC400	11.1	550	57.3	54.1	450	760	-0.02	-0.02
AC500	43.8	1270	50.9	50.9	525	860	-0.02	-0.02
AC570	59.7	1350	58.9	58.1	525	860	-0.02	-0.02
AC5DG	51.7	1330	53.3	53.3	525	860	-0.02	-0.02
AC600	31.0	1050	63.7	62.1	525	860	-0.02	-0.02
AC800	43.8	850	135.3	128.9	550	860	-0.03	-0.03
AC8HC	39.8	720	172.7	159.2	550	860	-0.03	-0.03
AC900	79.6	1060	119.4	117.8	550	860	-0.03	-0.03
Sintered								
AS200	11.9	700	45.4	44.6	450	810	-0.03	-0.03
AS500	31.0	1080	49.3	49.3	525	860	-0.02	-0.02
AS600	23.9	970	62.1	61.3	525	860	-0.02	-0.02
AS800	35.8	800	127.3	121.0	550	860	-0.03	-0.03
AS8HC	35.8	670	159.2	146.4	550	860	-0.03	-0.03

Typical Physical Properties – Cast	
Curie Temperature	760 – 860 °C
Coefficient of Thermal Expansion	+11.0 – +13.0 x 10 ⁻⁶ °C ⁻¹
Electrical Resistivity	45 – 75 μΩ·cm
Density	6.9 – 7.3 g·cm ⁻³
Rockwell C Hardness	45 – 55 H _{RC}
Tensile Strength	0.02 – 0.15 kN·mm ⁻²
Transverse Modulus of Rupture	0.05 – 0.30 kN·mm ⁻²
Typical Physical Properties – Sintered	
Curie Temperature	810 – 860 °C
Coefficient of Thermal Expansion	+11.0 – +12.4 x 10 ⁻⁶ °C ⁻¹
Electrical Resistivity	50 – 70 μΩ·cm
Density	6.8 – 7.0 g·cm ⁻³
Rockwell C Hardness	45 H _{RC}
Tensile Strength	0.35 – 0.45 kN·mm ⁻²
Transverse Modulus of Rupture	0.35 – 0.76 kN·mm ⁻²