

Flexible Magnets

Material Grade



Main Properties	Remanence		Coercive Force		Intrinsic Coercive Force		Max. Energy Product		Temp. Coef.	Hardness	Working Temperature
	Br		HcB		HcJ		BH max				
Grade	Typical mT	Typical Gauss	min kA/m	min Oersted	min kA/m	min Oersted	Typical kJ/m ³	Typical MGOe	%/°C	Hv	maximum °C
VRN1	260-280	2600-2800	183-199	2300-2500	239-358	3000-4500	12.7-15.9	1.60-2.00	-0.016	20-80	100°C
VRN2	280-350	2800-3500	199-279	2500-3500	358-478	4500-6000	15.9-22.3	2.00-2.80	-0.016	20-80	100°C
VRN3	350-400	3500-4000	239-279	3000-3500	478-558	6000-7000	22.3-27.8	2.80-3.50	-0.016	20-80	100°C
VRN4	400-460	4000-4600	263-318	3300-4000	558-638	7000-8000	27.8-35.8	3.50-4.50	-0.016	20-80	100°C
VRN5	460-500	4600-5000	295-334	3700-4200	638-678	8000-8500	35.8-42.1	4.50-5.30	-0.016	20-80	100°C
VRN6	500-550	5000-5500	311-350	3900-4400	678-756	8500-9500	42.1-49.3	5.30-6.20	-0.016	20-80	100°C

Typical Physical Properties

Property	um	value
Density	g/cm ³	3.7
Working temperature	°C	-27 + 80
Tolerance	mm	-0.3 +0.3
Magnetic Flux	G	150 - 600
Tension strenght	MPA/M2	5-10