

# Sintered Neodymium-Iron-Boron (NdFeB) T-S series & Radially Oriented Series

## Sintered Neodymium-Iron-Boron Magnet T Series

牌号 Grade	剩磁 Br Residual Induction				矫顽力 Hcb Coercive Force		内禀矫顽力 Hcj Intrinsic Coercive Force		最大磁能积 (BH)max Maximum Energy Product				工作温度 Working Temperature (L/D=0.7)	
	T		kGs		kA/m	kOe	kA/m	kOe	kJ/m <sup>3</sup>		MGOe		°C	
	min	max	min	max	min	min	min	min	min	max	min	max	max	
N30SH-T	1.08	1.14	10.8	11.4	804	10.1	1831	23	223	239	28	30	150	
N33SH-T	1.14	1.17	11.4	11.7	820	10.3	1831	23	239	263	30	33	150	
N35SH-T	1.17	1.22	11.7	12.2	860	10.8	1831	23	263	287	33	36	150	
N38SH-T	1.22	1.26	12.2	12.6	907	11.4	1831	23	287	303	36	38	150	
N40SH-T	1.26	1.29	12.6	12.9	907	11.4	1831	23	303	318	38	40	150	
N42SH-T	1.29	1.33	12.9	13.3	907	11.4	1831	23	318	334	40	42	150	
N45SH-T	1.33	1.37	13.3	13.7	907	11.4	1831	23	334	358	42	45	150	
N30UH-T	1.08	1.14	10.8	11.4	804	10.1	2149	27	223	239	28	30	180	
N33UH-T	1.14	1.17	11.4	11.7	820	10.3	2149	27	239	263	30	33	180	
N35UH-T	1.17	1.22	11.7	12.2	860	10.8	2149	27	263	287	33	36	180	
N38UH-T	1.22	1.26	12.2	12.6	907	11.4	2149	27	287	303	36	38	180	
N40UH-T	1.26	1.29	12.6	12.9	907	11.4	2149	27	303	318	38	40	180	
N42UH-T	1.29	1.33	12.9	13.3	907	11.4	2149	27	318	334	40	42	180	

Note: Working temperature is tested under 20°C +/-2°C, the inevitable loss of magnetic force is no more than 5%.

## Radically Oriented Sintered Neodymium-Iron-Boron Ring & Arc Magnet

牌号 Grade	剩磁 Br Residual Induction				矫顽力 Hcb Coercive Force		内禀矫顽力 Hcj Intrinsic Coercive Force		最大磁能积 (BH)max Maximum Energy Product				密度 Density		工作温度 Working Temperature (L/D=0.7) °C	温度系数 Temperature Coefficient				可逆磁导率 Recoil Magnetic Permeability		居里温度 Curie Temperature		维氏硬度 Hardness	
	T		kGs		kA/m	kOe	kA/m	kOe	kJ/m <sup>3</sup>		MGOe		g/cm <sup>3</sup>			αBr		βHcj		μrec		°C		(HV)	
	min	max	min	max	min	min	min	min	min	max	min	max	min	max		min	max	min	max	min	max	TYP	min	max	
RN35	1.18	1.29	11.8	12.9	756	9.5	876	11	247	295	31	37	7.45	7.6	80	-0.11	-0.12	-0.65	-0.65	1.05	1.1	310	500	600	
RN38	1.20	1.32	12	13.2	764	9.6	876	11	255	318	32	40	7.45	7.6	80	-0.11	-0.12	-0.60	-0.65	1.05	1.1	310	500	600	
RN42	1.22	1.35	12.2	13.5	772	9.7	876	11	271	334	34	42	7.45	7.6	80	-0.11	-0.12	-0.60	-0.65	1.05	1.1	310	500	600	
RN35M	1.18	1.29	11.8	12.9	756	9.5	995	12.5	247	295	31	37	7.45	7.6	100	-0.11	-0.12	-0.60	-0.65	1.05	1.1	310	500	600	
RN38M	1.20	1.32	12	13.2	764	9.6	995	12.5	255	318	32	40	7.45	7.6	100	-0.11	-0.12	-0.60	-0.65	1.05	1.1	310	500	600	
RN42M	1.22	1.35	12.2	13.5	772	9.7	995	12.5	271	334	34	42	7.45	7.6	100	-0.11	-0.12	-0.60	-0.65	1.05	1.1	310	500	600	
RN35H	1.18	1.29	11.8	12.9	764	9.6	1114	14	247	295	31	37	7.45	7.6	120	-0.1	-0.11	-0.58	-0.62	1.05	1.1	320	500	600	
RN38H	1.20	1.32	12	13.2	772	9.7	1114	14	255	318	32	40	7.45	7.6	120	-0.1	-0.11	-0.58	-0.62	1.05	1.1	320	500	600	
RN40H	1.21	1.33	12.1	13.3	772	9.7	1114	14	263	326	33	41	7.45	7.6	120	-0.1	-0.11	-0.58	-0.62	1.05	1.1	320	500	600	
RN42H	1.22	1.35	12.2	13.5	780	9.8	1114	14	271	334	34	42	7.5	7.6	120	-0.1	-0.11	-0.58	-0.62	1.05	1.1	320	500	600	
RN45H	1.25	1.39	12.5	13.9	788	9.9	1114	14	287	358	36	45	7.5	7.6	120	-0.1	-0.11	-0.58	-0.62	1.05	1.1	320	500	600	
RN-35SH	1.18	1.29	11.8	12.9	772	9.7	1274	16	247	295	31	37	7.45	7.6	150	-0.1	-0.11	-0.55	-0.60	1.05	1.1	330	500	600	
RN-38SH	1.20	1.32	12	13.2	780	9.8	1274	16	255	318	32	40	7.45	7.6	150	-0.1	-0.11	-0.55	-0.60	1.05	1.1	330	500	600	
RN-40SH	1.21	1.33	12.1	13.3	780	9.8	1274	16	263	326	33	41	7.45	7.6	150	-0.1	-0.11	-0.55	-0.60	1.05	1.1	330	500	600	
RN-42SH	1.22	1.35	12.2	13.5	796	10	1274	16	271	334	34	42	7.5	7.6	150	-0.1	-0.11	-0.55	-0.60	1.05	1.1	320	500	600	
RN-35UH	1.18	1.29	11.8	12.9	780	9.8	1512	19	247	295	31	37	7.45	7.6	180	-0.08	-0.1	-0.50	-0.55	1.05	1.1	340	500	600	
RN-38UH	1.20	1.32	12	13.2	796	10	1512	19	255	318	32	40	7.45	7.6	180	-0.08	-0.1	-0.50	-0.55	1.05	1.1	340	500	600	