

MAGNETIC RUBBER

Material Type	R1A	R1B	R2A	R2B	R2C	R2E	R2G	R2H	R2I	R2J	R3A	R3B	R3C
Magnetic Properties													
Br (mT)	175-200	165-195	225-255	225-255	230-260	240-270	220-260	225-255	225-255	240-270	240-270	230-260	225-255
Hcb (kA/m)	107.5-151.3	91.5-143.3	139.4-171.2	159.2-183	159.2-183	167.2-191	147.3-195.1	155.2-191.1	135.4-175.2	160-191	167-199	163-195	171-203
Hcj (kA/m)	139.3-191.1	123.4-175.2	167.1-206.9	199-246	191-230.7	199-246	163.2-206.9	≥215	167.1-222.9	183.1-214.9	210.7-266.7	234.5-290.5	258.4-314.4
BH max (kJ/m ³)	6 - 8.5	5 - 7.5	10.18-11.78	10.4-12	10.4-12	11.2-12.8	9.6-12.8	10-11.6	9.55-12	11.2-12.8	11.6-13.2	11.2-12.8	11.2-12.8
Physical Properties													
TS (MPa)	70~90	70~90	70~90	75~85	75~85	75~85	75~85	75~85	75~85	>2.5	>2.5	>2.5	>2.5
Eb (%)	≥20	≥20	≥20	≥15	≥15	≥15	≥15	≥15	≥15	≥20	≥20	≥20	≥20
Hardness Shore D	40~65	40~65	40~65	40~65	40~65	40~65	40~65	40~65	40~65	40~65	30~45	30~45	30~45
Density (g/cm ³)	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.7	3.6-3.8	3.6-3.8	3.6-3.8
Weight reduction by heat (%)	<2.5	<2.5	<2.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Temp. Range (°C)	-40~80	-40~80	-40~80	-40~80	-40~80	-40~80	-40~80	-40~80	-40~80	-40~80	-40~100	-40~100	-40~100

Material Type	R9	R11	R12	R13	R13B	R13B-D	R13N	R13HNF	R13BNF	R14
Magnetic Properties										
Br (mT)	200-220	220-245	240-255	240-260	250-270	250-270	240-260	240-260	245-265	255-275
Hcb (kA/m)	127-151	135-167	155-175	171-195	167-191	167-191	171-195	171-199	167-195	167-191
Hcj (kA/m)	259-215	183-223	175-215	223-279	207-239	>183	223-279	223-303	215-279	>183
BH max (kJ/m ³)	7.6-9.6	9.6-12	11.2-12.4	11.6-13.2	12-14	12-14	11.6-13.2	11.6-13.2	12-13.6	12.4-14
Physical Properties										
TS (MPa)	>3.5	>3,5	>3,5	>3,5	>3,5	>3,5	>2,5	>2,5	>2,5	>3,5
Eb (%)	≥30	>30	>30	>30	>30	>30	>20	>20	>20	>30
Hardness Shore D	30-50	30-50	30-50	30-50	30-50	30-50	30-45	30-50	30-50	30-40
Density (g/cm ³)	3,5-3,65	3,55-3,70	3,60-3,75	3,65-3,80	3,60-3,80	3,60-3,80	3,50-3,70	3,50-3,70	3,50-3,70	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
Temp. Range (°C)	-40~85	-40~85	-40~85	-40~85	-40~85	-40~85	-40~100	-40~100	-40~100	-40~85