



NEODYMIUM SINTERED MAGNETIC PROPERTIES

| Type | Remanence Br | | Norml Coercivity HcB | | Intrinsic Coercivity HcJ | | Max. Energy Product (B-H)max | | Continuous Max. Operating Temp. °C |
|------|--------------|-----------|----------------------|--------|--------------------------|--------|------------------------------|---------|------------------------------------|
| | (KG) | (mT) | (Koe) | (KA/m) | (Koe) | (KA/m) | (MGOe) | (KJ/m3) | |
| N35 | 11.7-12.2 | 1170-1220 | ≥10.9 | ≥868 | ≥12 | ≥955 | 33-36 | 263-287 | 80°C |
| N38 | 12.2-12.5 | 1220-1250 | ≥11.3 | ≥899 | ≥12 | ≥955 | 36-39 | 287-310 | 80°C |
| N40 | 12.5-12.8 | 1250-1280 | ≥11.4 | ≥907 | ≥12 | ≥955 | 38-41 | 302-326 | 80°C |
| N42 | 12.8-13.2 | 1280-1320 | ≥11.5 | ≥915 | ≥12 | ≥955 | 40-43 | 318-342 | 80°C |
| N45 | 13.2-13.8 | 1320-1380 | ≥11.6 | ≥923 | ≥12 | ≥955 | 43-46 | 342-366 | 80°C |
| N48 | 13.8-14.2 | 1380-1420 | ≥10.5 | ≥836 | ≥12 | ≥955 | 46-49 | 366-390 | 80°C |
| N50 | 14.0-14.5 | 1400-1450 | ≥10.0 | ≥796 | ≥11 | ≥876 | 48-51 | 382-406 | 60°C |
| N52 | 14.3-14.8 | 1430-1480 | ≥10.0 | ≥796 | ≥11 | ≥876 | 50-53 | 398-422 | 60°C |
| 33M | 11.3-11.7 | 1130-1170 | ≥10.5 | ≥836 | ≥14 | ≥1114 | 31-33 | 247-263 | 100°C |
| 35M | 11.7-12.2 | 1170-1220 | ≥10.9 | ≥868 | ≥14 | ≥1114 | 33-36 | 263-287 | 100°C |
| 38M | 12.2-12.5 | 1220-1250 | ≥11.3 | ≥899 | ≥14 | ≥1114 | 36-39 | 287-310 | 100°C |
| 40M | 12.5-12.8 | 1250-1280 | ≥11.6 | ≥923 | ≥14 | ≥1114 | 38-41 | 302-326 | 100°C |
| 42M | 12.8-13.2 | 1280-1320 | ≥12.0 | ≥955 | ≥14 | ≥1114 | 40-43 | 318-342 | 100°C |
| 45M | 13.2-13.8 | 1320-1380 | ≥12.5 | ≥995 | ≥14 | ≥1114 | 43-46 | 342-366 | 100°C |
| 48M | 13.6-14.3 | 1360-1430 | ≥12.9 | ≥1027 | ≥14 | ≥1114 | 46-49 | 366-390 | 100°C |
| 50M | 14.0-14.5 | 1400-1450 | ≥13.0 | ≥1033 | ≥14 | ≥1114 | 48-51 | 382-406 | 100°C |
| 35H | 11.7-12.2 | 1170-1220 | ≥10.9 | ≥868 | ≥17 | ≥1353 | 33-36 | 263-287 | 120°C |
| 38H | 12.2-12.5 | 1220-1250 | ≥11.3 | ≥899 | ≥17 | ≥1353 | 36-39 | 287-310 | 120°C |
| 40H | 12.5-12.8 | 1250-1280 | ≥11.6 | ≥923 | ≥17 | ≥1353 | 38-41 | 302-326 | 120°C |
| 42H | 12.8-13.2 | 1280-1320 | ≥12.0 | ≥955 | ≥17 | ≥1353 | 40-43 | 318-342 | 120°C |
| 45H | 13.2-13.6 | 1320-1360 | ≥12.1 | ≥963 | ≥17 | ≥1353 | 43-46 | 342-366 | 120°C |
| 48H | 13.7-14.3 | 1370-1430 | ≥12.5 | ≥995 | ≥17 | ≥1353 | 46-49 | 366-390 | 120°C |
| 35SH | 11.7-12.2 | 1170-1220 | ≥11.0 | ≥876 | ≥20 | ≥1592 | 33-36 | 263-287 | 150°C |
| 38SH | 12.2-12.5 | 1220-1250 | ≥11.4 | ≥907 | ≥20 | ≥1592 | 36-39 | 287-310 | 150°C |
| 40SH | 12.5-12.8 | 1240-1280 | ≥11.8 | ≥939 | ≥20 | ≥1592 | 38-41 | 302-326 | 150°C |
| 42SH | 12.8-13.2 | 1280-1320 | ≥12.4 | ≥987 | ≥20 | ≥1592 | 40-43 | 318-342 | 150°C |
| 45SH | 13.2-13.8 | 1320-1380 | ≥12.6 | ≥1003 | ≥20 | ≥1592 | 43-46 | 342-366 | 150°C |
| 28UH | 10.2-10.8 | 1020-1080 | ≥9.6 | ≥764 | ≥25 | ≥1990 | 26-29 | 207-231 | 180°C |
| 30UH | 10.8-11.3 | 1080-1130 | ≥10.2 | ≥812 | ≥25 | ≥1990 | 28-31 | 223-247 | 180°C |
| 33UH | 11.3-11.7 | 1130-1170 | ≥10.7 | ≥852 | ≥25 | ≥1990 | 31-34 | 247-271 | 180°C |
| 35UH | 11.8-12.2 | 1180-1220 | ≥10.8 | ≥860 | ≥25 | ≥1990 | 33-36 | 263-287 | 180°C |
| 38UH | 12.2-12.5 | 1220-1250 | ≥11.0 | ≥876 | ≥25 | ≥1990 | 36-39 | 287-310 | 180°C |
| 40UH | 12.5-12.8 | 1240-1280 | ≥11.3 | ≥899 | ≥25 | ≥1990 | 38-41 | 302-326 | 180°C |
| 28EH | 10.4-10.9 | 1040-1090 | ≥9.8 | ≥780 | ≥30 | ≥2388 | 26-29 | 207-231 | 200°C |
| 30EH | 10.8-11.3 | 1080-1130 | ≥10.2 | ≥812 | ≥30 | ≥2388 | 28-31 | 223-247 | 200°C |
| 33EH | 11.3-11.7 | 1130-1170 | ≥10.5 | ≥836 | ≥30 | ≥2388 | 31-34 | 247-271 | 200°C |
| 35EH | 11.7-12.2 | 1170-1220 | ≥11.0 | ≥876 | ≥30 | ≥2388 | 33-36 | 263-287 | 200°C |
| 38EH | 12.2-12.5 | 1220-1250 | ≥11.3 | ≥899 | ≥30 | ≥2388 | 36-39 | 287-310 | 200°C |
| 28AH | 10.4-10.9 | 1040-1090 | ≥9.9 | ≥787 | ≥33 | ≥2624 | 26-29 | 207-231 | 230°C |
| 30AH | 10.8-11.3 | 1080-1130 | ≥10.3 | ≥819 | ≥33 | ≥2624 | 28-31 | 223-247 | 230°C |
| 33AH | 11.3-11.7 | 1130-1170 | ≥10.6 | ≥843 | ≥33 | ≥2624 | 31-34 | 247-271 | 230°C |