K&J Magnetics Demagnetization Curves for Grade N52 Neodymium Magnets

Temperature: 20°C

H (kOe), B (kGauss)

-11.30, 0.00

-11.08, 13.02

-10.98, 13.45

-10.84, 13.74

-10.57, 13.89

-10.18, 14.00

0.00, 14.38

-10.03, 3.99

-10.49, 3.41

-10.81, 2.93

-10.97, 2.47

-11.08, 1.93

-11.10, 0.00

Temperature: 40°C

H (kOe), B (kGauss)

-9.33, 0.00

-9.11, 12.84

-8.96, 13.29

-8.73, 13.60

-8.29, 13.77

-7.65, 13.89

0.00, 14.18

-8.04, 5.83

-8.52, 5.20

-8.84, 4.63

-9.01, 4.00

-9.13, 3.23

-9.19, 0.00

Temperature: 60°C

H (kOe), B (kGauss)

-7.53, 0.00

-7.32, 12.63

-7.17, 13.10

-6.93, 13.42

-6.48, 13.60

-5.81, 13.72

0.00, 13.94

-6.28, 7.41

-6.74, 6.79

-7.06, 6.22

-7.22, 5.57

-7.33, 4.77

-7.42, 0.00

Temperature: 80°C

H (kOe), B (kGauss)

-5.90, 0.00

-5.70, 12.40

-5.60, 12.88

-5.44, 13.21

-5.13, 13.39

-4.68, 13.51

0.00, 13.67

-4.75, 8.73

-5.17, 8.19

-5.45, 7.70

-5.60, 7.18

-5.70, 6.54

-5.80, 0.00

Temperature: 100°C

H (kOe), B (kGauss)

-4.62, 0.00

-4.42, 12.02

-4.32, 12.55

-4.17, 12.91

-3.87, 13.11

-3.45, 13.24

0.00, 13.36

-3.50, 9.73

-3.90, 9.20

-4.18, 8.73

-4.32, 8.23

-4.42, 7.62

-4.53, 0.00

Temperature: 120°C

H (kOe), B (kGauss)

-3.50, 0.00

-3.31, 11.53

-3.21, 12.14

-3.05, 12.56

-2.76, 12.79

-2.33, 12.94

0.00, 13.03

-2.45, 10.49

-2.83, 9.99

-3.08, 9.55

-3.22, 9.08

-3.31, 8.50

-3.43, 0.00

Temperature: 140°C

H (kOe), B (kGauss)

-2.55, 0.00

-2.38, 10.93

-2.27, 11.67

-2.10, 12.17

-1.79, 12.44

-1.33, 12.61

0.00, 12.67

-1.60, 11.01

-1.94, 10.56

-2.17, 10.16

-2.30, 9.72

-2.38, 9.17

-2.50, 0.00

s

Magnetization Direction

Frequently Asked Questions