Acemad Group Ltd
137 Zhongshan East Road, Ningbo, Zhejiang Province, China
Tel: +86-574-87369417, 87026256 Fax: +86-574-87344602 magnetech@vip.163.com *www.acemademagnets.com*

SINTERED NdFeB MAGNETS

L-T Series MAGNETS

Excellent Resistance to High Temperature & Corrosion

Sintered NdFeB magnet is very sensitive to corrosion and heat, but more and more customers need to apply it in motors and parts in the extreme condition. To solve this problem, we develop L-T series NdFeB magnet, which has the characters of “low weight loss” and “high heat resistance”. This series of magnets are suitable for advanced applications which has strict requirement of corrosion and heat resistance, such as elevators, radars, wind power generators. Please check the table below for more details and compare to the normal magnets.

A. Correlative Temperature Coefficient Data

Parameter	Ordinary Magnets	T Series	L-T Series
α_{Br}	-0.128~-0.11%/℃	-0.11~-0.1%/℃	-0.1~-0.09%/℃
β_{hcj}	-0.7~-0.6%/℃	-0.6~-0.55%/℃	-0.55~-0.45%/℃

B. Correlative Low Weight Loss Test Data

Standards for weight loss test

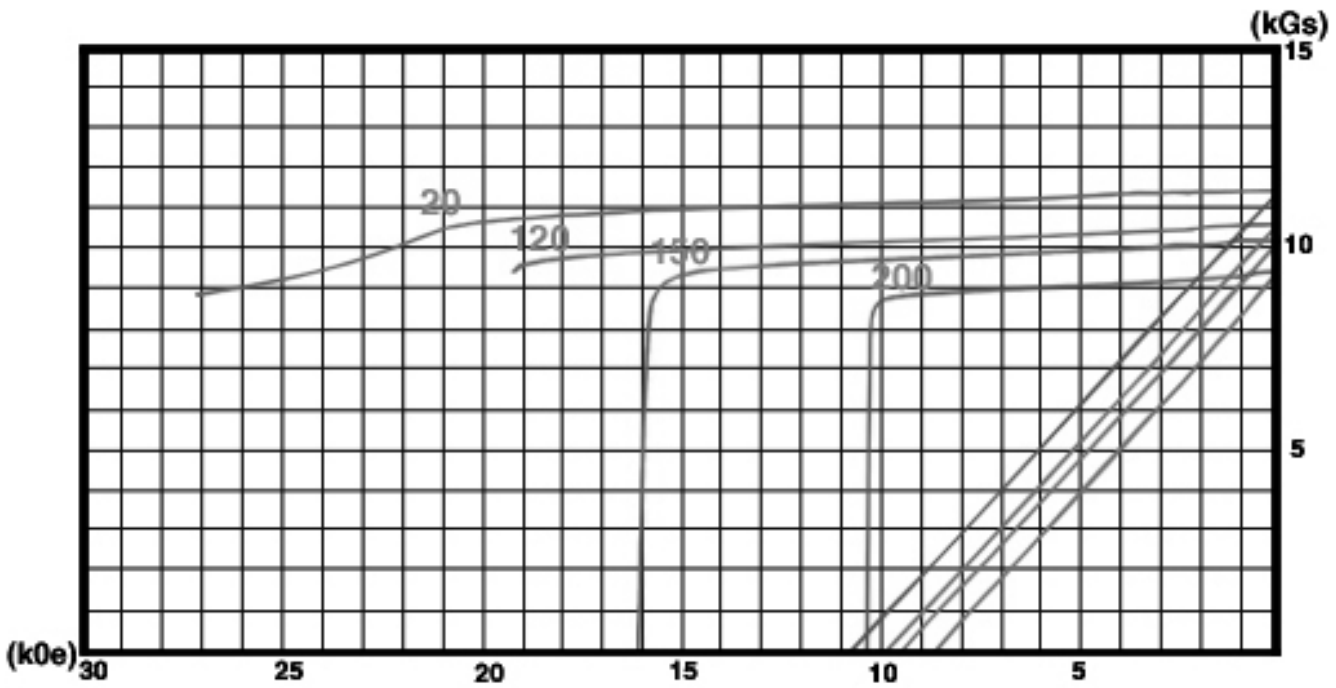
1) USA PCT: 121℃±1℃, 2atm, 100%RH
2) EUROPE HAST:130℃±2℃, 3atm, 100%RH

Parameter	Series	USA PCT	EUROPE HAST
General Technology	Ordinary Magnets	＞150mg/cm^2	＞500mg/cm^2
	T Series	50~150mg/cm^2	100~500mg/cm^2
	L-T Series	10~50mg/cm^2	50~200mg/cm^2
Special Technology	Ordinary Magnets	≤50mg/cm^2	50~300mg/cm^2
	T Series	≤10mg/cm^2	≤50mg/cm^2
	L-T Series	≤3mg/cm^2	5mg/cm^2

Remark:

1. Base on one certain technology, weight loss data of magnets is relative to temperature coefficients data.

2. We suggest to use L-T series magnets used for wind power generators, tide generators, marsh gas generators, elevators engine, it will increase their corrosion resistance, prolong the service life and get down the maintain cost.



L30AHT DEMAGNETIZE CURVE