

NdFeB Compound For Injection Molding



YAMM

NdFeB Compound for Injection Molding

Magnetic Characteristics

Grade	Residual Induction		Coercive Force		Intrinsic Coercivity		Maximum Energy Product	
	Br		$B_H H_C$		$I_H H_C$		(BH)max.	
	kGs	mT	kOe	kA/m	kOe	kA/m	MGOe	kJ/m ³
NdFeB-Compound-3	3.6-4.1	360-410	2.8-3.3	224-264	8.0-9.1	640-728	2.8-3.4	22.4-27.2
NdFeB-Compound-4	4.1-4.6	410-460	3.4-3.7	272-296	8.3-9.3	664-744	3.8-4.4	30.4-35.2
NdFeB-Compound-5	4.6-5.1	460-510	3.8-4.2	304-336	8.5-9.4	680-752	4.8-5.4	38.4-43.2
NdFeB-Compound-6	5.1-5.7	510-570	4.2-4.6	336-368	8.8-9.5	704-760	5.8-6.4	46.4-51.2
NdFeB-Compound-7	5.4-5.7	540-570	4.5-4.9	360-392	9.0-9.7	720-776	6.5-7.1	52.0-56.8
NdFeB-Compound-8A	5.9-6.3	590-630	4.8-5.2	384-416	8.8-9.7	704-776	7.3-7.8	58.4-62.4
NdFeB-Compound-8B	6.1-6.5	610-650	5.0-5.3	400-424	9.1-9.7	728-776	8.2-9.0	65.6-72.0

Other Physical Properties

Density	Tensile Strength	Flexural Strength	Izod impact Strength	Hardness Rockwell	Shrinkage	Hot Distortion Temp
g/cm ³	kg/cm ²	kg/cm ²	kg.cm/cm	Rscale	%	°C
4.5-5.5	500-510	880-900	5.5-6.8	110-112	0.04	115-118

Typical Parameters For Injection Molding

Barrel Temp.(°C)			Mold(°C)	Jet Press (kg/cm ³)	Gauge Press (kg/cm ³)
H ₁	H ₃	HN			
255	260	250	75-80	1320	95

Remarks:

1. The above Grades are all based on YMM Powder and Nylon12, but we can provide compound based on Nylon6 and PPS according to customer's demand.
2. The above Magnetic Characteristics and Physical Properties can be ensured according to customer's demand.
3. Typical Parameters For Injection Molding is for customer's reference only. It needs to be adjusted according to customer's technology and equipment.

Contact us:

Manufacturing Facilities

Yuhong Magnetic Material Co., Ltd

Add: 34 Chaoxing Road, Xinhui, Jiangmen, Guangdong, China 529100

Tel: +86 750 6656 788

Fax: +86 750 6328 139

<http://www.ymm-ltd.com>

E-mail: info@ymm-ltd.com

Regional Sales Offices

North America, South America, European Union, Africa & Asia-Pacific (except Japan)

Hua Xing Manufacturing Co., Ltd

Add: Unit 2707, 113 Argyle Street, Mongkok, Kowloon, Hong Kong

Tel: +852 2300 1942

Fax: +852 2783 7025, 2740 9776

<http://www.huaxing.com.hk>

E-mail: saleshx@huaxing.com.hk

Mainland China and Japan

Yuhong Magnetic Material Co., Ltd

Add: 34 Chaoxing Road, Xinhui, Jiangmen, Guangdong, China 529100

Tel: +86 750 6656 788

Fax: +86 750 6328 139

<http://www.ymm-ltd.com>

E-mail: liwenan@ymm-ltd.com

Russia & Eastern Europe

Applied Magnet Technology

Add: 68 Diana Road, Portage, IN 46368, USA

Tel: +1 219 399 3538

Fax: +1 219 762 5446

Cell: +1 219 771 2007

<http://www.appliedmagnettechnology.com>

E-mail: amtdune@msn.com