

Ferrite Rubber Magnet [Anisotropic]

Magnetic and physical properties

材質 GRADE	残留磁束密度 【Br】 Residual Flux Density	保磁力		最大エネルギー積 【(BH)max】 Max Energy	使用温度範囲 Working Temp. Range	Br 温度係数 Temp. Coefficient of Br	密度 Density	引張強度 Tensile Strength	伸び率 Elongation	硬さ Hardness	加熱重量変化率 Weight Reduction by Heating
	T (KGs)	【Hcb】 Coercive Force kA/m (kOe)	【Hcj】 Intrinsic Coercive Force kA/m (kOe)	kJ/m ³ (MGOe)	℃	(%/℃)	g/cm ³	MPa	%	ShoreD, 3S	%
YZT13	240-260 (2.4-2.6)	171-195 (2.15-2.45)	223-279 (2.80-3.50)	11.6-13.2 (1.45-1.65)	-40 ~ 85	-0.18	3.65-3.80	> 3.5	> 20	30-50	< 2.0
YZT13B	250-270 (2.5-2.7)	167-191 (2.1-2.4)	207-239 (2.60-3.00)	12.0-14.0 (1.5-1.75)	-40 ~ 85	-0.18	3.65-3.80	> 3.5	> 30	30-50	< 2.0
YZT13N	240-260 (2.4-2.6)	171-195 (2.15-2.45)	223-279 (2.80-3.50)	11.6-13.2 (1.45-1.65)	-40 ~ 100	-0.18	3.55-3.70	> 2.5	> 20	30-45	< 2.0
YZT13H	240-260 (2.4-2.6)	171-195 (2.14-2.44)	279-334 (3.50-4.20)	11.6-13.2 (1.45-1.65)	-40 ~ 85	-0.18	3.60-3.75	> 2.5	> 20	25-45	< 2.0
YZT13HN	240-260 (2.4-2.6)	171-195 (2.14-2.44)	279-334 (3.50-4.20)	11.6-13.2 (1.45-1.65)	-40 ~ 100	-0.18	3.55-3.70	> 2.5	> 20	25-45	< 2.0
YZT14	255-275 (2.55-2.75)	167-191 (2.1-2.4)	>183 (>2.30)	12.4-14.0 (1.55-1.75)	-40 ~ 85	-0.18	3.65-3.80	> 3.5	> 30	30-50	< 2.0
YZT13HNF (Halogen Free)	240-260 (2.4-2.6)	171-195 (2.15-2.45)	223-303 (2.80-3.80)	11.6-13.2 (1.45-1.65)	-40 ~ 100	-0.18	3.55-3.70	> 2.5	> 20	25-45	< 2.0
YZT13BNF (Halogen Free)	250-265 (2.5-2.65)	167-195 (2.1-2.45)	215-279 (2.70-3.50)	12.0-13.6 (1.5-1.70)	-40 ~ 100	-0.18	3.55-3.70	> 2.5	> 20	30-50	< 2.0
YZT13HF (Halogen Free)	245-265 (2.45-2.65)	167-195 (2.1-2.45)	215-279 (2.70-3.50)	11.6-13.2 (1.45-1.65)	-40 ~ 85	-0.18	3.50-3.65	> 2.5	> 30	30-50	< 2.0

Suggestive:

Besides the above grades, our company also have the process capacity to manufacture custom-made Ferrite Rubber magnet with specific characteristics to meet customers' requirements.

Chemistry Properties and Reliability

材質 GRADE	Hydraulic Oil	Alcohol	Weak Alkali	Detergaent	Benzene 30% + Gasoline 70%	Organic/ Inorganic Acid	Ketones/ Ether/ Thinner	Water	Heat-Resistant	Cold-Resistant	Wet-Resistant
	23°C x 72h	23°C x 72h	23°C x 72h	23°C x 72h	23°C x 72h	23°C x 72h	23°C x 72h	23°C x 72h	100°C x 72h	-40°C x 72h	60°C x 90%RH x 72h
YZT13	* Acceptable	** Good	** Good	** Good	X Bad	X Bad	X Bad	*** Excellent	** Good	*** Excellent	** Good
YZT13B	* Acceptable	** Good	** Good	** Good	X Bad	X Bad	X Bad	*** Excellent	** Good	*** Excellent	** Good
YZT13N	*** Excellent	*** Excellent	*** Excellent	*** Excellent	X Bad	X Bad	X Bad	*** Excellent	*** Excellent	*** Excellent	*** Excellent
YZT13H	* Acceptable	** Good	** Good	** Good	X Bad	X Bad	X Bad	*** Excellent	** Good	*** Excellent	** Good
YZT13HN	*** Excellent	*** Excellent	*** Excellent	*** Excellent	X Bad	X Bad	X Bad	*** Excellent	*** Excellent	*** Excellent	*** Excellent
YZT14	* Acceptable	** Good	** Good	** Good	X Bad	X Bad	X Bad	*** Excellent	** Good	*** Excellent	** Good
YZT13HNF (Halogen Free)	*** Excellent	*** Excellent	*** Excellent	*** Excellent	X Bad	X Bad	X Bad	*** Excellent	*** Excellent	*** Excellent	*** Excellent
YZT13BNF (Halogen Free)	*** Excellent	*** Excellent	*** Excellent	*** Excellent	X Bad	X Bad	X Bad	*** Excellent	*** Excellent	*** Excellent	*** Excellent
YZT13HF (Halogen Free)	* Acceptable	** Good	** Good	** Good	X Bad	X Bad	X Bad	*** Excellent	** Good	*** Excellent	** Good

Remark:

*** /Excellent >> ** /Good >> * /Acceptable >> X /Bad

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