Product specification

Product name	Colour Magnet Dia18mmX8.5mm Black					
Item	Name	Symbol	SI		CGS	
Shape	Diameter	D	18	mm	1.8	cm
	Height	H	8.5	mm	0.85	cm
	Direction of magnetization	M	Assiale			
	Surface treatment	Nylon	500	μm		
Measuring point	Surface flux density	B	133.8	mT	1338	G
	Attractive force	F	-	kgf	-	gf
	Magnetic flux density on load point	Bd	217	mT	2170	G
	Total flux	Dia o	0.00005522	Wb	5522	Mx
	Permeance coefficient	Pc	1.32	Pc	-	
	Operationg temperature range	Tw	-	deg C	-	deg F
	Operationg temperature range	Tw	-	deg C	-	deg F
Material characteristics	Material grade	Colour Magnet	Y30H-1			
	Remanence	Br	380-400	mT	3.8-4.0	kG
	Coericive forces	Hcb	230-275	kA/m	2.87-3.44	kOe
	Intrisic coercivity	Hcj	235-290	kA/m	2.94-3.62	kOe
	Maximum energy product	BH	27-32	kJ/m3	3.4-4.0	MGOe
	Temperature coefficient	Br	-0.18	%/deg C	31.68	%/deg F
		Hcj	0.18	%/deg C	32.32	%/deg F
	Max. operating temperature	Tw	<200	deg C	<392	deg F
	Curie temperature	Tc	460	deg C	860	deg F
	Density	P	5	kg/m3	-	
	Weight	Net	0.0108	kg	10.8	g
Remark	REACH RoHS Directive					

Information on these magnetic characteristics are approximate and reference values. When using the calculated values for actual magnetic application products and research and development of the application of magnetic products, use these values as reference values. We are not responsible for the results from the reference values. The details can be found by referring to the product specifications. All specifications are subject to change without notice.

Copyright © 2000-2026 Magfine Corporation All Rights Reserved.