

# Product specification

Product name	Colour Magnet Star 28mmX8mm Black				
Item	Name	Symbol	SI		CGS
Shape	Diameter	D	28	mm	2.8 cm
	Height	H	8	mm	0.8 cm
	Direction of magnetization	M	Assiale		
	Surface treatment	Nylon	500	$\mu$ m	
Measuring point	Surface flux density	B	95	mT	950 G
	Attractive force	F	-	kgf	- gf
	Magnetic flux density on load point	Bd	158.1	mT	1581 G
	Total flux	Dia o	0.0000974	Wb	9740 Mx
	Permeance coefficient	Pc	0.72	Pc	-
	Operating temperature range	Tw	-	deg C	- deg F
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Material characteristics	Material grade	Colour Magnet	Y30		
	Remanence	Br	380-420	mT	3.8-4.2 kG
	Coercive forces	Hcb	160-216	kA/m	2.0-2.7 kOe
	Intrinsic coercivity	Hcj	-	kA/m	- kOe
	Maximum energy product	BH	26.3-29.5	kJ/m <sup>3</sup>	3.3-3.7 MGOe
	Temperature coefficient	Br	-0.18	%/deg C	31.68 %/deg F
		Hcj	-	%/deg C	- %/deg F
	Max. operating temperature	Tw	<200	deg C	<392 deg F
	Curie temperature	Tc	460	deg C	860 deg F
	Density	P	-	kg/m <sup>3</sup>	-
Weight	Net	0.0115	kg	11.5 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.