



**Product name : 15 x 8 x 1 / N38 - Neodymium magnet (NdFeB) / self-adhesive, with tape 3M 467MP**

## PERFORMANCE PARAMETERS

Length	15 [mm] +0,1/-0,1
Width	8 [mm] +0,1/-0,1
Height	1 [mm] +0,1/-0,1
Grade	N38
Magnet type	Neodymium
Maximal hoisting capacity	0,63 [kg]
The pull force was measured by using metal sheet 10 [mm] thick, acting with perpendicular detaching force. With the force acting on the sliding off, the lifting capacity of the magnet will be 5 times smaller. The air gap comprised between the metal sheet and a magnet causes reduction in the pull force.	
Magnetic field in geometrical center of the magnetic pole surface	0,08 [T]
Coating	NiCuNi with 3M 467MP adhesive
adhesive	yes
Weight	0,9 [g]
Sintered neodymium magnets are brittle (fragile). A neodymium magnet without housing could break after an impact with another strong magnet.	
All the numbers quoted were obtained as a result of tests with one specific item in a room temperature and are intended to serve for comparison of practical magnetic properties of magnets offered by the shop.	

## MAGNETIC PROPERTIES OF MATERIAL GRADE N38

density	~7,5 [g/cm <sup>3</sup> ]
Vickers hardness (HV)	~600 [kg/mm <sup>2</sup> ]
resistivity	~144 [uOhm x cm]