



Product name : D12 x 40 / LNG44 - AlNiCo magnet

PERFORMANCE PARAMETERS

External diameter	12 [mm] +0,1/-0,1
Height	40 [mm] +0,1/-0,1
magnetizing direction along dimension	40 [mm]
Direction of magnetization along the height means that one circular surface of a magnet makes the N-pole, while the other - opposite - circular surface refers to the S-pole.	
Grade	LNG44
Magnet type	AlNiCo
Maximum working temperature	525 °[C]
For flat magnets and magnets mounted in the open magnetic circuit working temperature may be insignificantly lower. For high magnets and magnets mounted in the closed magnetic circuit working temperature equals max. working temperature for a given material. Curie's temperature is ~ 860°C. Temperature coefficient of remanence TK(Br): approx. -0,02 [%/°C]. Temperature coefficient of coercivity TK(Hc): approx. +0,02 [%/°C].	
Weight	33,09 [g]
AlNiCo Magnets may be used in water.	
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.	

PHYSICAL PROPRIETIES

density	~7,3 [g/cm ³]
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