

锂 带

Lithium Ribbon



产品综述

Product summary

锂 (Li) 是一种银白色金属，质软，是密度最小的金属。锂的相对原子质量为 6.94，密度为 0.534g/cm³，熔点为 180℃，可与大量无机试剂和有机试剂发生反应，性质极不稳定，遇空气易变质，可与水发生剧烈的反应。因锂的原子量很小，用锂作为阳极的电池具有很高的能量密度。此外，锂电池还具有质量轻、体积小、寿命长、性能好等优点，电池领域已成为锂的最大应用领域。

Lithium (Li) is a kind of silvery white metal, soft, with the minimum density of all metals. Relative atomic mass of lithium is 6.94, with the density of 0.534 g/cm³, melting point of 180℃. Li can react with a large number of inorganic reagents and organic reagents, its chemical property is instable and decomposed easily, react violently with water. Due to the small atomic mass, the battery used lithium as the anode materials has a high energy density. In addition, lithium battery has the advantages of light weight, small size, long lifetime, good performance and so on. The battery field has become the largest application field of lithium.



化学成分

Chemical composition

牌号 Category	Li, (≥wt. %)	杂质含量 Impurity Content (wt.%)											
		K	Na	Ca	Fe	Si	Al	Ni	Cu	Mg	Cl	N	Pb
Li-2	99.95	0.001	0.010	0.010	0.002	0.004	0.005	0.003	0.001	0.005	0.005	0.010	0.0010
Li-3	99.90	0.005	0.020	0.020	0.005	0.008	0.005	0.003	0.004	0.010	0.006	0.020	0.0030
Li-4	99.00	—	0.200	0.040	0.010	0.040	0.020	—	0.010	—	—	—	0.0050

备注：1、锂含量（质量分数）为 100% 减去表中杂质实测总和后的余量。
2、需方如对锂带的化学成分有特殊要求时，由供需双方商定。
Remarks :1.The lithium content (mass fraction) is 100 % minus the total amount of impurities measured in the table.
2. Special requirements for the chemical composition of lithium ribbon should be agreed by seller and buyer.



尺寸规格

Dimensions

牌号 Category	规格 Specification		厚度及公差 Thickness and tolerances		宽度及公差 Width and tolerances	
	厚度 (mm) Thickness	宽度 (mm) Width	厚度 (mm) Thickness	公差 (mm) Tolerance	宽度 (mm) Width	公差 (mm) Tolerance
Li-2 Li-3 Li-4	0.1 ~ 4.0	4.0 ~ 120	0.10 ~ 0.20	±0.01	4.0 ~ 40	±0.2
			> 0.20 ~ 0.60	±0.02	> 40 ~ 100	±0.3
			> 0.60 ~ 0.80	±0.03		
			> 0.80 ~ 1.00	±0.04	> 100 ~ 120	±0.4
			> 1.00 ~ 4.00	±0.05		

备注：产品尺寸规格可根据用户要求定制更改。
Remark:The dimension of products can be customized according to customers' requirements.



表面质量

Surface quality

锂带表面平直、光亮，无油斑或其他杂物，无目视可见的氧化物及氮化物，无皱边、孔眼、裂缝、折痕、压线等缺陷，允许有轻微的加工条纹和辊印。锂带的边缘整齐，无裂口，无分层和夹杂。

The surface of lithium ribbon is flat and bright, there are no oil spots, visible oxides and nitride, wrinkles, holes, cracks, creases, trace, other sundries or other defects on the surface, while slight processing stripes and roller printing are allowed. The edge of the lithium ribbon is neat, there are no cracks, no stratification and inclusion at the edge of lithium ribbon.



包 装

Packaging

内包装：将锂带卷绕在塑料卷取盘上，在干燥环境中充高纯氩气密封包装于已干燥 24h 以上的五层铝塑复合袋中。铝塑复合袋外套缓冲减震泡泡袋，分层摆好。外包装：钢桶密封。

Inner packing: The lithium ribbon is wound around the plastic coiling and sealed in five-layers aluminum-plastic composite bag that has been dried for more than 24h with high-purity argon in the dry environment. The aluminum composite bag is covered with cushioned foam, and is placed in layers. Outer packing: Seal with steel drum.



储 存

Storage

锂带应密闭隔绝空气保存，注意防潮、防水，远离热源、火源及氧化性物质；保存期为六个月。

Lithium ribbon should be sealed off from air, moisture, water, heat sources, source of ignition and oxidizing substances; The shelf life of lithium ribbon is six months.