

材料组织 MATERIAL STRUCTURE

RCB-FD1 含铜四氟软带
Copper PTFE soft strip



该产品是以聚四氟乙烯为主要原料，填充铜粉等耐磨材料，经模具压制烧结而成，具有良好的耐磨性，摩擦系数低，在有润滑油和无油润滑条件下都能正常使用。产品被广泛应用于汽车减震器，汽车活塞环。

RCB-FD1 Copper PTFE soft strip as main material is made of filling copper powder and wear resistance material pressing and agglomeration, it has low wear resistance and low friction, it can work with or without oil. The products have been widely used in automobile shake absorber and piston rings.

※技术参数: Technical Data

性能指标 Performance index		数据 Data
最大承载 P Max Load Capacity	静载 Static load	80N/mm ²
	动载 Dynamic load	40N/mm ²
最高线速度 V Max Sliding Speed		1.5m/s
抗拉强度 Tensile Strength		18N/mm ²
延伸率 Extension Rate		100%
摩擦系数μ Friction coefficient		≤0.25
使用温度 Working temperature		-100°C ~ +250°C
热膨胀系数 Coefficient of thermal expansion		8×10 ⁻⁵ /K

RCB-FD2 含石墨四氟软带
Graphite PTFE soft strip



该产品是以聚四氟乙烯为主要原料，填充石墨等耐磨材料，经模具压制烧结而成，具有良好的韧性、耐磨性。产品被广泛应用于汽车减震器。

Graphite PTFE soft strip with PTFE as main material is made though filling wear proof material such as graphite though polishing, pressing and agglomeration, it has good tenacity and wearing performance. The products have been widely used in automobile absorber.

※技术参数: Technical Data

性能指标 Performance index		数据 Data
最大承载 P Max Load Capacity	静载 Static load	80N/mm ²
	动载 Dynamic load	40N/mm ²
最高线速度 V Max Sliding Speed		1.5m/s
抗拉强度 Tensile Strength		13.2N/mm ²
延伸率 Extension Rate		200%
摩擦系数μ Friction coefficient		≤0.25
使用温度 Working temperature		-100°C ~ +250°C
热膨胀系数 Coefficient of thermal expansion		8×10 ⁻⁵ /K

材料组织 MATERIAL STRUCTURE



RCB-FD3 改性四氟软带
Modified PTFE soft strip

该产品是以聚四氟乙烯为主要原料，填充特殊的耐磨材料，经模具压制烧结而成，具有良好的耐磨性，耐冲击性及密封性能。产品被广泛应用于加油机流量泵，或密封环使用。

RCB-FD3 modified soft strip is based on PTFE and filled into specific lubricant through a combination of mold pressing and sintering. It is of high wear resistance; good anti impact ness and good performance in airproof. at present it is widely applied in flow pump of the greasing machinery and ring seal etc.

※技术参数: Technical Data

性能指标 Performance index		数据 Data
最大承载 P Max Load Capacity	静载 Static load	80N/mm ²
	动载 Dynamic load	40N/mm ²
最高线速度 V Max Sliding Speed		1.5m/s
抗拉强度 Tensile Strength		20N/mm ²
延伸率 Extension Rate		250%
摩擦系数μ Friction coefficient		≤0.25
使用温度 Working temperature		-100°C ~ +250°C
热膨胀系数 Coefficient of thermal expansion		8×10 ⁻⁵ /K

RCB-FR 铜网无铅自润滑轴承
RCB-FR Bronze mesh Pb-free self-lubricating bearing

该产品以青铜丝网为基体，通过特殊工艺，表面轧制聚四氟乙烯和亲油性纤维。它具有较低的摩擦系数、较好的耐磨性以及柔软性好。产品广泛应用于纺织机械关节轴承、汽车门铰链、汽车操纵杆等场合。

RCB-FR Bronze Pb-free self-lubricating bearing uses bronze mesh as its structure, by means of special technology, rolled by PTFE at the surface and lipophilicity fiber. It performs well with lower friction and well anti-wear good pliability. It has been widely used in linkage of textile machinery, tailgate hinges, automotive steering and so on.

※技术参数: Technical Data

性能指标 Performance index		数据 Data
最大承载 P Max Load Capacity	静载 Static load	350N/mm ²
	动载 Dynamic load	180N/mm ²
最高线速度 V Max Sliding Speed	干摩擦 Dry friction	0.5m/s
	油润滑 Oil lubrication	2.5m/s
最高PV值 Max PV Value Limit		3.6N/mm ² ·m/s
摩擦系数μ Friction coefficient		0.03~0.20
使用温度 Working temperature		-50°C ~ +250°C