

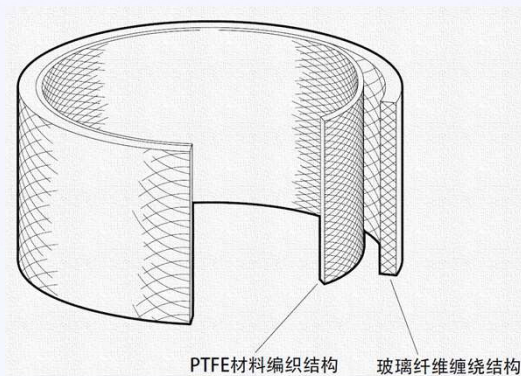
纤维缠绕轴承 PFB BEARING



设计

金泰产品系列中的自润滑系列轴承(PFB)采用玻璃纤维与环氧树脂材料进行连续缠绕(承载层),再以PTFE纤维与高强度纤维填充内部润滑剂与高温环氧树脂作为滑动层,从而形成一个无缝隙、无重叠的自然同心的高强度轴承。这种高强度层压结构可允许轴承壁厚仅为(1.59mm-3.18mm),减小了产品尺寸也减少了装配时轴承的重量。这样的复合材料轴承表现出极低的摩擦系数和较高的承载能力。

The Self- Lubricating series bearings (PFB) in Kintowe product series are continuously wound with glass fiber and epoxy resin material (bearing layer), filled with PTFE fiber and high strength fiber internal lubricant and high temperature epoxy resin as sliding layer, so as to form a natural concentric high strength bearing without joint and overlap This high-strength laminate structure allows bearing wall thickness of only (1.59mm-3.18mm), reducing product size and bearing weight during assembly such composite bearings exhibit extremely low friction coefficients and high bearing capacity



- 玻璃纤维缠绕结构
- 环氧树脂为基体
- 一体式特氟龙编织结构



典型特征 Typical features

高承载力
High load capacity
极好的耐磨特性
Excellent wear resistance
耐腐蚀能力强
Outstanding chemical resistance
低摩擦系数
Low friction coefficient
不推荐加油
Oil forbidden



典型应用 Typical applications

油缸耳轴套
Hydraulic cylinder pivots
举升机械
Construction machinery arm bushes
起重机械、物料机械
Boom lifts, scissor lifts
建筑机械
Cranes, material handling equipment
港口机械
Port machinery
包装机械
Package machine

技术参数 Technical Details



材料性能 Material properties

密度
Specific Gravity

最大吸水率
Max. water absorption

极限PV值
Max. PV(dry)

摩擦系数
Friction Coefficient

连续运行温度
Long-term Operating Temperature

瞬时运行温度
Short-term Operating Temperature

最低运行温度
Minimum Operating Temperature

最高速度
Max.Speed

抗压强度
Tensile Strength

最大静载荷
Max.Static load

最大动载荷
Max.Dynamic load

肖氏氏硬度
Shore Hardness

线性热膨胀系数 (25~150℃)
Coefficient of linear thermal expansion

标准
Standard

单位
Unit

PFB-1

ISO1183

g/cm³

1.95

ISO62

%

0.1

ITS026

N/mm²·Xm/s

1.8

ITS025

μ

0.03~0.12

ITS029

℃

+160

ITS029

℃

+180

ITS029

℃

-100

ITS032

m/s

0.2

ITS033

Mpa

420

ITS027

Mpa

240

ITS028

Mpa

140

ISO868

D

95

ISO11359

10⁻⁶ x K⁻¹

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KINTOWE® 是注册商标

分销商

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