



# FD

## 含铜四氟软带 PTFE SOFT STRIPS

### 结构特性及用途 Structure Characteristics and Applications



#### FD-1 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。

FD-1 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.

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



#### FD-2 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.

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



#### FD-3 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。

FD-3 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.

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