

FD-1 soft strip is based on **PTFE** and mold pressed and sintered into lubricants mainly **copper** etc. It is of low friction, low wear. Its tensile strength can meet the motion of mono piston ring. Due to its low friction, FD-1 can be applied under oil or without oil and so it's the best choice of auto damper, piston ring. At present, it is adopted in a lot of China autos such as Audi, Volkswagen, Cetiron etc and it maintains low friction long-termly.

Material Structure

PTFE+Pb+Copper Powder+Filler

Tensile strength	Friction Coef(μ)	Speed limit	Temperature limit
22N/mm ²	0.09	1.5m/s	-100℃~250℃



FD-2 soft Strip is based on **PTFE** and filled with **graphite** and other lubricants which are milled, pressed and finally sintered into PTFE basis. This material is of good elasticity, low friction coefficient, high wear resistance. It fits to be used together with metal backing. It proves excellent friction-wear performance on the damper piston, such as in Volkswagen, Buick auto etc, through the process of FD-2 covering onto metallurgical powder part.

Material Structure

PTFE+Pb+Graphite +Filler

Tensile strength	Friction Coef(μ)	Speed limit	Temperature limit
22N/mm ²	0.06	1.5m/s	-100℃~250℃



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 impactness and good performance in airproof. At present it is widely applied in flow pump of the greasing machine and ring seal etc.

Material Structure

PTFE+Pb+Lubricant+Filler

Tensile strength	Friction Coef(μ)	Speed limit	Temperature limit
23N/mm ²	0.08	1.5m/s	-100℃~250℃



FD-B piston is specially applied for auto **shock absorbers**. They've anti-friction. Many auto manufacturers, including Xiali, Santana, Buick and Honda use the pistons. Our products are nearly getting to the level of counterpart overseas.

Material Structure

PTF E+Pb+Al+filler

Tensile strength	Friction Coef(μ)	Speed limit	Temperature limit
22N/mm ²	0.09	1.5m/s	-100℃~250℃



FD-AI beeline bearings are one kind of **oilless beeline motion** products. They're used in moulds' slipways and precision machines instead of steel rolling bushings. The bearings have obvious advantages such as low noise, low cost and working without oil.

Material Structure

PTF E+Pb+Fe

Tensile strength	Friction Coef(μ)	Speed limit	Temperature limit
22N/mm ²	0.09	1.5m/s	-100℃~250℃

