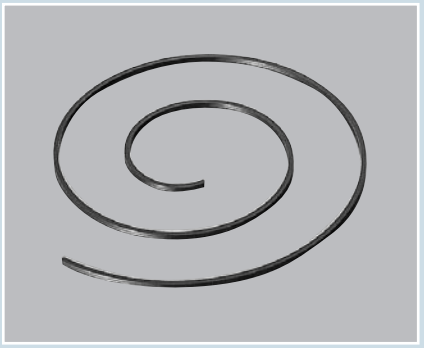
DAITHERMO DTP

Pb Free RoHS ELV

A sliding material made from polyphenylene sulphide (PPS) mixed with a special filler. This material is made by adding a special filler to heat-resistant and chemical-resistant polyphenylene sulphide (PPS), which gives it frictional properties roughly identical to those of PTFE sliding materials. Demonstrates suitable performance for a wide range of applications, including office automation equipment, textile machinery, automotive parts, conveyor equipment, and food packaging equipment.

Features

1.Offers a low coefficient of friction.
2.Stable even when exposed to a variety of chemicals and solvents.
3.Suitable for injection molding of complex shapes.
4.Also available in grades suitable for use with soft axle materials.



Material : DTP11

PPS mixed with glass-fiber-reinforcing and special filler

Material Characteristics (typical values)

Specific gravity	Tensile strength (MPa)	Elongation (%)	Hardness (HRM)	Coefficient of expansion ($\times 10^{-5}$/°C)
1.60 – 1.72	30 or more	2 or more	32 – 48	2 – 6

Sliding Characteristics (typical values)

Material properties	Coefficient of friction (μ)	Maximum permissible load (MPa)	Maximum permissible speed (m/min)	Operating temperature range (°C)
DTP11	0.05 – 0.3	6.9	60	-40 – 200

Dimensional range

Injection-molded bearings can be made to a wide variety of complex shapes.