

8446 60% Bronze FF Material Data Sheet

Product Information

8446, 60% Bronze FF

A non-oxidising 60% bronze filled PTFE compound.

Features

Supplied as free flow powder.

Bronze is an alloy of copper and tin.

The non-oxidising alloy provides a consistent finished product appearance which is dark brown in colour.

Avoid use with Hydrofluoric Acid (HF) and strong alkalis.

Not suited to electrical applications.

Bronze is also attacked by certain chemicals.

Benefits

Free flow powder allows for easier processing when moulding thin walled cylinders.

Bronze filled PTFE provides:

- Excellent creep resistance
- Excellent wear resistance
- Strong thermal dissipation characteristics
- Strong electrical dissipation characteristics

Typical Applications

- Often used in hydraulic systems
- Piston rings (compressors)
- Bushes - Bearings
- Gaskets / seals

Delivery Program

This product is sealed in two-layer plastic bags inside a rigid 25kg drum. It should be stored at 22°C to 25°C for 24 hours before processing.

This grade is available as:

- Free flow
- Non free flow available under product code 8146

Physical Properties

Property	Value	Unit
Colour	Dark Brown	
Bulk Density	950	g/l
Specific Gravity	3.96	g/cm ³
Hardness	69	Shore D
Tensile Strength	17	MPa
Elongation	170	%
Shrinkage	1.9	%

