

8146

Material Data Sheet

60% Bronze NFF



PTFE & PEEK COMPOUNDS

Product Description

8146 is a 60% non oxidising Bronze filled polytetrafluoroethylene (PTFE) compound.

Bronze is a copper and tin alloy providing excellent creep and wear resistance and also exhibits strong thermal and electrical dissipation characteristics.

It is often used in hydraulic systems but is not suited to electrical applications. Bronze is also attacked by certain chemicals.

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

Physical Properties

Property	Value	Unit
Colour	Dark Brown	
Bulk Density	750	g/l
Specific Gravity	3.9	g/cm ³
Hardness	69	Shore D
Tensile Strength	20	MPa
Elongation	200	%
Shrinkage	1.9	%
Rec Preform Pressure	45	MPa
Max Sintering Temp	365	°C

Typical Applications

- Piston Rings (compressors)
- Bushes – Bearings
- Gaskets
- Seals – Hydraulic Systems

Delivery Program

This product is sealed in two-layer plastic bags inside a rigid 25 or 30kg drum. It should be stored at 22 to 25°C for 24 hours before processing.



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Fluoro Polymer Engineers

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Figures provided are statistical average values. All data herein is represented in good faith, however without guarantee or warranty.