

# 8144

## Material Data Sheet

40% Bronze NFF



### Product Description

A 40% filled, non-oxidising bronze 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	720	g/l
Specific Gravity	3.1	g/cm <sup>3</sup>
Hardness	65-66	Shore D
Tensile Strength	23	MPa
Elongation	280	%
Shrinkage	2.5	%
Rec Preform Pressure	40	MPa
Max Sintering Temp	365	°C

### Typical Applications

- Piston Rings (compressors)
- Bushes – Bearings
- Linear Bearings & Guides
- Wear Bands and Strips
- 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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