

# 8191 Carbon / Graphite NFF

## Material Data Sheet

### Product Information

8191 Carbon / Graphite NFF

A hard carbon / graphite filled PTFE compound.

### Features

This grade is formulated for improved wear and chemical resistance.

### Benefits

This grade offers the following performance advantages:

- A significant reduction in creep
- Improved hardness
- Excellent wear resistance
- Good thermal conductivity
- Good electrical conductivity

### Typical Applications

- Piston seal wear bands
- Sleeves
- Bearing rings (pumps)
- Bushes
- Valve seats
- Non lubricated piston rings

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

### 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:

- Non free flow
- Free flow available under product code 8491

### Physical Properties

Property	Value	Unit
Colour	Black	
Bulk Density	500	g/l
Specific Gravity	2.1	g/cm <sup>3</sup>
Hardness	65-66	Shore D
Tensile Strength	15	MPa
Elongation	100	%
Shrinkage	2.5	%

