

8192 Carbon / Graphite NFF

Material Data Sheet

Product Information

8192 Carbon / Graphite NFF

A hard carbon / graphite filled PTFE compound.

Features

This grade provides higher elongation properties which overcomes the brittleness of high carbon loaded compounds.

Benefits

This grade offers the following performance advantages:

- A significant reduction in creep
- Improved hardness
- Improved wear resistance
- Better flexibility for ease of fitting or stretching piston rings without damage
- No lubrication necessary
- Good thermal conductivity

Typical Applications

- Reciprocating compressor applications
- Piston rings
- Dynamic seals
- Wear and rider rings
- Thrust washers

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 8492

Physical Properties

Property	Value	Unit
Colour	Black	
Bulk Density	500	g/l
Specific Gravity	2.05	g/cm ³
Hardness	65-67	Shore D
Tensile Strength	12	MPa
Compressive Strength	9.0	MPa
Elongation	85	%
Shrinkage	2.0	%

