



TECHNICAL DATA SHEET

# 60 Bronze - Physical Forms

## Composition by Weight % and Filler Description

40% Virgin PTFE  
60% ± 2% Irregular Bronze Powder Anti-Oxidant

MECHANICAL PROPERTIES	TEST METHOD	UNITS	GRADE - LF	GRADE - FF	GRADE - E
Specific Gravity	ASTM D 4894	~	3.9 ± 0.1	3.9 ± 0.1	3.9 ± 0.1
Tensile Strength*	ASTM D 4894	Mpa	13	13	13
Elongation*	ASTM D 4894	%	150	140	130
Bulk Density	ASTM D 4894	g/l	750 MIN	1300	1300
Hardness	NEEDLE	Shore D	70 - 64	70 - 64	70 - 64
Diametric Shrinkage	INTERNAL	%	2.0 +/- 0.4	2.0 +/- 0.4	2.0 +/- .4
Flow	INTERNAL	Sec/50 g	-	3	6
Avg Particle Size	INTERNAL	µm	-	700 - 400	800 - 400

\* cross direction

Recommended Moulding Pressure	50 MPa
Max Sintering Temperature	375 °C

## General Application:

Generally recommended as a good bearing material and preferable to glass fiber either at higher speeds. Where it's a greater thermal conductivity.

## Safety

This product is a fluoropolymer so normal precautions should be followed.

## Technical Information

DISCLAIMER: the information in this Safety Data Sheet is believed to be correct as of the date issued. No warranties, expressed or implied, including but not limited to, any implied warranty or merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application and shall not establish a legally valid contractual relationship.