

GEM-FLOW

Compounded PTFE Materials

TECHNICAL DATA SHEET 60% Virgin PTFE, 40% Bronze

PHYSICAL PROPERTIES

Product Code: GF1070

Low Flow Polytetrafluoroethylene (nff)

Test Method	Properties	Units	Typical Value
ASTM 4745-14	Tensile	PSI	2400
ASTM 4745-14	Elongation	%	100
-	Shore Hardness	-	-
ASTM D792-08	Specific Gravity	G/CC	2.950-3.350

Bronze boasts excellent wear resistance and thermal conductivity. Bronze-filled PTFE has higher friction than other filled PTFE compounds, but that can be improved by adding moly or graphite. Slide plates, bearing, and piston ring applications use compounds containing 55% bronze – 5% moly. When compounded with PTFE, bronze is blended between 40 and 60%.

The above information is, to the best of our knowledge, true and accurate. No warranty, expressed or implied, is made or intended. The use of this product should be determined by the user, based on their appraisal.

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