



50 Stainless Steel - Low Flow

Composition by Weight % and Filler Description

50% +/- 2% Virgin PTFE

50% ± 2% Stainless Steel - 316L Stainless

MECHANICAL PROPERTIES	TEST METHOD	UNITS	GRADE - LF
Specific Gravity	ASTM D 4745	~	3.4 +/- 0.2
Tensile Strength*	ASTM D 4745	Mpa	MIN 16
Elongation*	ASTM D 4745	%	MIN 120
Hardness	ASTM D 2240	Shore D	63 +/- 5
Diametric Shrinkage	ASTM D 4745	%	1.7 +/- 0.5
Flow	Poly-Smith	Sec/50 g	-
Average Particle Size	Poly-Smith	µm	-

* cross direction

Recommended Molding Pressure	50 -55 MPa
Max Sintering Temperature	370 °C

General Application:

This grade is recommended as a good bearing material and is preferable to glass fibre at higher speeds, where its greater thermal conductivity is put to use.

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.