



Specification Sheet

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MATERIAL : 40% Bronze PTFE (Brown)

Property	Spec	Value
Hardness		63D +/- 5 Shore D
Specific Gravity	DIN 792	3.88 g/cm ³
Tensile Strength	D1708	2000 psi
Elongation at Break	D1708	100 %
Coefficient of friction	D3702	Static 0.74 Dynamic 0.7
Compression Strength	D695	1700 psi
Thermal Conductivity	DIN 52612	0.29
Water Absorption (24hrs. @73.4 ° F)	D570	0.02%
Coefficient Linear Thermal Expansion , (78-400)° F	D696	55.10-6/° F
Wear Rate (PV: 200,000 psi-fpm)	D3702	0.7uin/min
Minimum Service Temp.		-40 ° F
Maximum Service Temp.		+ 500 ° F
Color		Brown

Description:

Bronze filled PTFE (polytetrafluoroethylene). It provides better creep resistance than most of the PTFE alloys. It possesses high compressive strength and good wear and sliding properties. Most common applications include piston rings (compressors), bushes, bearings, and wear pads for high compression sliding applications. Certain chemicals may easily attack bronze.