Table of fillers for PTFE compounds

Filler	Quantitiy (by weight)	Effect on the filler
Fibreglass	5-25%,max.,40% in combination with graphite, carbon and molybdenum sulphide	• Higher compressive strength, rigidity and wear resistance • Lower cold flow • Resistant to organic solvents • Not resistant to alkalis / acids
Carbon (with electro-graphite)	5-25%,max.,35% in combination with graphite, bronze and molybdenum sulphide	• Higher compressive strength and wear resistance • Good dry running characteristics • Increased hardness • Improved thermal conductivity • Conductive even with high proportions of filler • Resistant to hydrofluoric acid • Vulnerable to strongly oxidizing media (acids, alkalis, halogens)
Bronze	up to 60% filler, also in combination with graphite, carbon and molybdenum sulphide	• Higher compressive strength and wear resistance • Increased hardness • Improved thermal conductivity • Lower cold flow • Limited resistance to chemicals • Vulnerable to alkalis and strongly oxidizing acids
Molybdenum sulphide (MoS_2)	up to 5 %, also in combination with glass and bronze	• Improved sliding properties • Higher wear resistance • Vulnerable to strongly oxidizing media (acids, alkalis, halogens)
Stainless steel	up to 60%	• Improved thermal conductivity • Lower cold flow • Resistant to most chemicals