

DCW Standard formulation of PTFE compounds

Standard formulation of PTFE compounds			
Filler	Compound %	Properties	Color
Glass fiber	up to 40%	Improved wear resistance, compression strength, creep resistance, chemical resistance (except for alkali and hydrochloric acid). Good performance in oxidizing environments, good creep resistance.	White cream
Carbon	up to 35%	Improved electrical and thermal conductivity, resistance to load, low coefficient of friction in dry, water, steam applications, chemical resistance. Superior wear resistance increase and low friction properties.	Black
Graphite	up to 25%	Improve wear resistance, decrease friction and increase sliding properties against soft metals- chemical inertness. Improve the temperature resistance in some way.	Black
Bronze	up to 60%	Improved compression strength, wear resistant, high thermal conductivity, resistance to abrasion. Reduced chemical resistance.	Dark Brown
Molybdenum disulphide(MoS ₂)	up to 5%	Increased PTFE properties of hardness and wear resistance. Increased sliding properties and decrease friction.	Blue azure
PEEK	Up to 20%	Increased thermal resistance, sliding properties, surface hardness. Superior properties on dynamic applications.	Beige

CONTACT us for more custom PTFE compound.