

Itaprochim Product	Behaviours/Performances	Recommended Quantity [%]
Sicacell 964	Synthetic filler with very low density. Sicacell makes the friction material more porous, stabilize the friction and reduces thermal conductivity. Promotes both homogeneous blending of products and pre-form green strength.	3-7
Potassium Titanate 45	Synthetic filler. It improves friction coefficient and wear stability overall at high temperature.	5-25
PMT B95 (Flake)	Synthetic filler. It improves friction coefficient and wear stability overall at high temperature. No respirable fibers.	5-25
Zirconium Silicate 325	Abrasive modifier; temperature stability and high friction coefficient.	2-5
Zirconium Sand	Abrasive modifier; temperature stability and high friction coefficient.	2-5
Prochim D F1 (flour)	Abrasive modifier; similar Mohs hardness, density and grain shape to Zirconium silicate and more cost effective. Possible alternative to Zirconium silicate.	2-5
Prochim D S1 (sand)	Abrasive modifier; similar Mohs hardness, density and grain shape to Zirconium silicate and more cost effective. Possible alternative to Zirconium silicate.	2-5
Prochim GP 01	Organic Virgin Polymer Filler; Olefinic based thermoplastic polymer; it doesn't react with phenolic resin and zinc oxide. It is especially studied for noise reduction and could replace premix	1-3
Prochim GP 05	Organic Recycled Polymer Filler; Olefinic based thermoplastic polymer; it doesn't react with phenolic resin and zinc oxide. It is especially studied for noise reduction and could replace premix	1-3
NBR 1 Rubber	Organic Polymer Filler; NBR polymer; it reacts with phenolic resin and zinc oxide. It is especially studied for noise reduction and could replace premix	1-3
Stilox F37	Special steel in flake form, coated by iron oxides softer than steel core, They help to reduce the friction value and to form a soft and stable 3rd layer between friction material and disc. Favorable economically as compared to steel fibers	5-20
Ultimate C	Engineered lubricant compound based on metal sulfide that works in a wide range of temperature, It can be an alternative to Antimony trisulphide	3-8
Ultimate 457	Engineered lubricant compound based on metal sulfide that works in a wide range of temperature. It can be an alternative to Molybdenum sulphide	3-8
Ultimate P 11	Engineered lubricant compound based on metal sulfide that works in a wide range of temperature. It can be an alternative to Molybdenum sulphide and Synthetic Iron sulphide.	3-8
AL-XH10	Aluminium oxide, high α -alumina content. Stable at high temperatures.	3 - 6
PAN 0,7 MM	Synthetic short length fiber (PAN). Structure reinforcement of pads	0,5 - 2
ACRILIC FIBER PULP FORM	Synthetic fibrillated fiber (PAN). Structure reinforcement of pads. It increases the green strength.	0,5 - 2

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SINTFES 01	Synthetic Iron disulfide is a “friction stabilizer” and is referred to as an aid, a lubricating partner to graphite.	1 - 3
PYRITA-L RED	Natural Iron disulfide is a “friction stabilizer” and is referred to as an aid, a lubricating partner to graphite.	1 - 3
Mechanomade FA 25	Chemical-physical and tribological tests have shown that Mechanomade® FA25 enhances the overall performance of a friction material and in particular it can be considered a suitable substitute of copper.	4,0