

## YOUR EXPERT FOR ENGINEERED RESIN COMPOUNDS

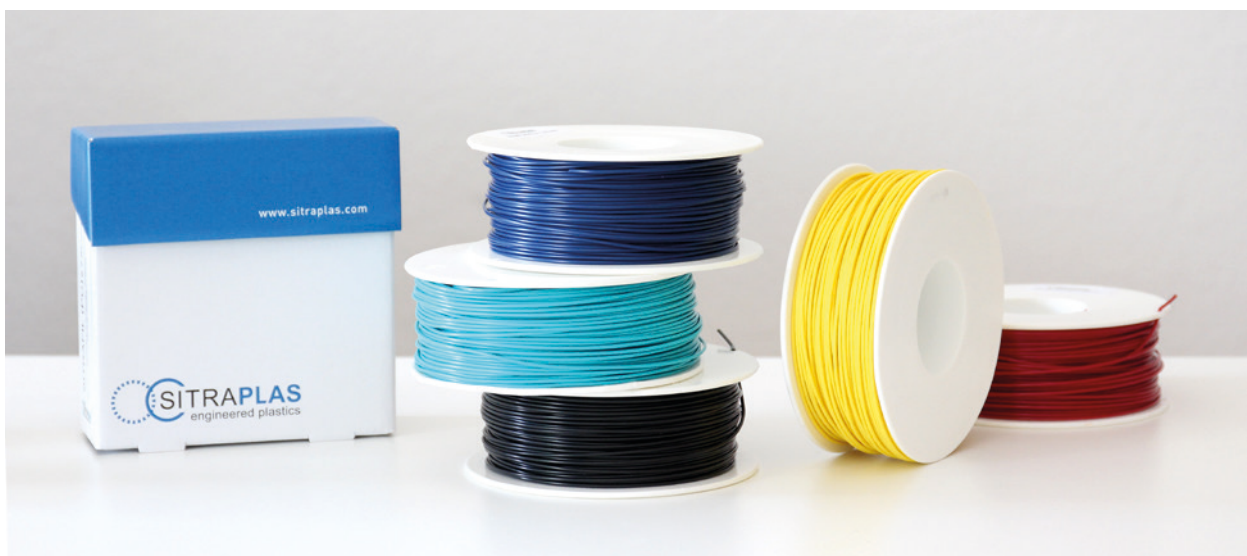
SITRAPLAS has a history of expertise in process engineering and manufacturing of customized formulations. The company has become a reliable partner for the supply of a wide range of modified engineering resins. Our R&D laboratories and manufacturing facilities offer state of the art technology. The pilot and production plants are equipped with modern twin screw extruders. A wide range of peripheral equipment monitors and supplements the manufacturing process. Customers worldwide appreciate the quality of our compounds, whether they are offered in the common form of pellets or filaments for 3D printing.

### SITRAFIL – CUSTOM FILAMENTS

The filaments are manufactured using custom compounds based on the requirements of the end user. You will receive support to select the best raw materials, additives and fillers always with your processing conditions and applications in mind.

**Please contact us for assistance.**

- > We manufacture ready to use filaments
- > We supply pellets for in house production of filaments
- > We offer compounds in filament form for prototyping and pellets for larger scale production
- > We help to optimize the performance of the filaments based on your 3D Printer requirements



## EXAMPLES OF FILAMENTS:

### SITRALON® (PC)

- > High stiffness and hardness
- > High impact strength
- > High dimensional stability
- > Good electrical properties
- > High clarity
- > High gloss

### SITRALOY® (PC + ABS)

- > High impact resistance at low temperatures
- > High stiffness
- > High dimensional stability
- > Good creep resistance
- > Good processing properties

### SITRACON® (PC + PBT)

- > High tensile strength even at low temperature
- > High chemical resistance
- > Good resistance to stress cracking

### SITRALAC® (ABS)

- > High stiffness and hardness
- > High impact resistance at low temperatures
- > High dimensional stability
- > Good chemical resistance
- > Good resistance to temperatures changes

### SITRADUR® (PBT)

- > High stiffness and hardness
- > Good impact resistance
- > High chemical resistance (e.g. oil and greases)
- > Low water absorption
- > Good resistance to stress cracking

### SITRASAC (ASA)

- > Good resistance to temperature changes
- > High toughness and stiffness
- > High impact resistance
- > High gloss
- > Good weatherability and UV
- > Low electrostatic charge

### SITRALIN (ASA + PA)

- > High impact resistance at various temperatures
- > High chemical resistance
- > High dimensional stability
- > Low shrinking properties
- > Good acoustical damping
- > Good processing properties

### SITRASAN (SAN)

- > High stiffness and hardness
- > High dimensional stability
- > Good scratch resistance
- > Good chemical resistance
- > Very low water absorption

### SITRAMAC® (PMMA)

- > High toughness
- > Scratch resistant, high gloss, polishable surface
- > Good weatherability
- > Good machining
- > High clarity