

Custom compounds

Conventus Polymers is a custom compounder offering the broadest portfolio of material and filler package combinations.

BASE RESINS

PEEK	PA4/6	PC/PBT
PAEK	PA6/12	PBT
PPSU	PA6/10	PA66
PESU	PVDF	PA6
PSU	LCP	POM
PEI	TPE	ABS
PPS	TPU	PS
PPA	TPV	PP
POK	PPE	LDPE
PA12	PC	HDPE
PA11	PC/ABS	

1

GLASS FIBER
CARBON FIBER
LONG GLASS FIBER
LONG CARBON FIBER
IMPACT MODIFIERS
GRAPHITE
PTFE
FLAME RETARDANTS
SILICONE
GLASS FLAKE
GLASS BEAD
CERAMICS
MICA
TALC
CLAY

FILLERS

2

HOLLOW GLASS SPHERES
CALCIUM CARBONATE
WOLLASTONITE
STAINLESS STEEL
METAL POWDERS
CUSTOM COLORS
TUNGSTEN
CARBON NANO-TUBES
GRAPHENE
CARBON POWDER
MOLYBDENUM DISULFIDE

3

EFFECTS

STRUCTURAL
MECHANICAL
LUBRICATED
WEAR & FRICTION
ABRASION
ELECTROSTATIC PROPERTIES
THERMALLY CONDUCTIVE
CUSTOM COLORS
HIGH TEMPERATURE RESISTANCE

LOW TEMPERATURE IMPACT
LONG FIBER SOLUTIONS
LIGHTWEIGHT SOLUTIONS
X-RAY DETECTABLE
FLAME RETARDANTS
LOW WARP
HIGH SPECIFIC GRAVITY
ANTIMICROBIAL
3D PRINTING



Over 10,000 different custom combinations

Start with over 30 base polymers.

Add a combination of filler packages at custom loading levels.

The Result is a custom compound with a unique set of properties for your specific application.

1

+

2

=

3

BASE RESINS

FILLERS

EFFECTS

MATERIALS

We are product agnostic in helping you choose the right material for your specific application. When working with Conventus Polymers you have access to thousands of raw materials. The combinations you can choose from are virtually endless! Our team of experts helps you narrow down the choices resulting in a compound that delivers exactly what you need.

- Ultra Polymers
- High Performance Resins
- Fluoropolymers
- Thermosets
- Soft touch Elastomers
- Engineering Resins
- Commodity Resins

CAPABILITIES

As a global distributor, formulator, and compounder we offer the following capabilities:

- **More than 4000 already formulated compounds**
- **Several manufacturing locations (USA & China)**
- **25kg Min Order Quantity**
- **Regulatory approvals available (UL, FDA, NSF, ISO10993, etc.)**
- **Quick development to production cycle**
- **2-5 week lead time based on product**
- **Commonly used compounds are Made-to-Inventory**
- **Stocking programs / JIT Available**
- **Certified Minority Business Enterprise (MBE)**