COMMINGLED FIBER OPTIONS

Our capabilities are constantly expanding!

Thermoplastic Fiber	Tg °F/°C	Tm °F/°C	Process Temp °F/°C	Key Features
PEEK	289°F 143°C	649°F 343°C	680-752°F 360-400°C	Semi-Crystalline - High Thermal Stability, Wear Resistance, High Chemical Resistance, Low Outgassing
PEI (Ultem)	423°F 217°C	N/A	698-752°F 370-400°C	Amorphous - High Thermal Stability, Flame Retardant, UV Resistant, High Strength, Chemical Resistance
LMPAEK	289°F 143°C	577°F 303°C	644–725°F 340–385°C	Semi-Crystalline - Good Heat Resistance, High UV Resistance, Dimensional Stability, High Impact Performance
PPS	194°F 90°C	536°F 280°C	580-650°F 304-343°C	Semi-Crystalline - High Chemical & Flame Resistance, Dimensional Stability, Mechanical Strength
PC	293°F 145°C	N/A	536-590°F 280-310°C	Amorphous - Lower Flame/Smoke/Toxicity Emissions, High Temperature and Chemical Resistance
PET	176°F 80°C	509°F 240°C	482-536°F 250-280°C	Semi-Crystalline - High Strength, Electrical Insulating Properties, Low Creep, Low Moisture Absorption
PETG	185°F 85°C	N/A	338-392°F 170-200°C	Amorphous - Durable & Tough, Good Chemical Resistance, High Impact Strength, Water Resistant
PA6	140°F 60°C	428°F 220°C	464-554°F 240-290°C	Semi-Crystalline - Abrasion Resistance, Chemical Resistance, Impact Strength, Electrically Insulating
PA11	113°F 45°C	372°F 189°C	428-518°F 220-270°C	Semi-Crystalline - Lower Environmental Impact, High Thermal / UV Resistance, Low Moisture Absorption
PA12	104°F 40°C	355°F 179°C	384-444°F 195-230°C	Semi-Crystalline - Low Moisture Regain, Abrasion Resistant, Weather Resistant, Fuel & Oil Resistant
PP	14°F -10°C	340°F 171°C	374-482°F 190-250°C	Semi-Crystalline - Low Melting Point, Chemical Resistant, Rigid & Tough, Good Fatigue Resistance

Ask for additional input options. We are always sourcing new materials.

Standard Modulus Carbon Fiber

Filament Count	Manufacturer	Class	Grade
3K	Hexcel	AS4C	Aero/Comm
6K	Hexcel	AS4C	Aero/Comm
12K	Hexcel	AS4	Aero/Comm
	Mitsubishi	34-700	Commercial
24K	Teijin	STS40	Commercial
50K	SGL	C T50	Aero/Comm

IM and HM Carbon Fiber

Filament Count	Manufacturer	Class	Grade
12K	Hexcel	IM8 IM7	Aero/Comm
12K	Hexcel	HM63	Aero/Comm

Glass Fiber

Type	Manufacturer	Class	Grade
E-Glass	AGY	ECDE75	Commercial
E-Glass	Vetrotex	ECG75	Commercial
S2-Glass	AGY	SCG75	Aero/Comm

Concordia
FIBERS

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