

Commingled Fiber Options

Thermoplastic Fiber	Tg F/C	Tm F/C	Process Temp F/C	Key Features
PEEK	289F 143C	649F 343C	680-780F 360-420C	Thermal Stability, Abrasion Resistance, Superior Chemical Resistance, Flame Retardancy, High Stiffness
PEI (Ultem)	423F 217C	662F 350C	698-752F 370-400C	High Thermal Stability, Low Flame, Smoke & Toxicity Properties. Good Impact Resistance
PPS	194F 90C	536F 280C	580-650F 304-343C	High Temperature, Chemical Resistance, Flame Retardancy, Dimensional Stability, Low Moisture Absorption
Polycarbonate	293F 145C	518F 270C	536-590F 280-310C	Good Heat Resistance, Property Retention, Dimensional Stability, Impact Performance.
Polyester	167F 65C	475F 246C	518-572F 270-300C	High Chemical Resistance, Low Moisture Regain
Nylon 6	140F 60C	428F 220C	464-554F 240-290C	Good Price/Performance Ratio, Good Chemical Resistance, High Strength
Nylon 12	104F 40C	355F 179C	384-444F 195-230C	Lower moisture regain and lower melting point than Nylon 6, Good resistance to shock and chemicals
Polypropylene	14F -10C	340F 171C	374-482F 190-250C	Low Melting Point, Excellent Moisture Resistance

Standard Modulus Carbon Fiber

Filament Count	Manufacturer	Class
3K	Hexcel	AS4, AS4C
12K	Hexcel	AS4, AS4A, AS7
	Toray	T700
	Hyosung	H2550
	Formosa	TC-35
	Mitsubishi	G34-700R
24K	Toho Tenax	STS 40 F11
50K	SGL GROUP	C30 T50
	Zoltek	PX35

Intermediate Modulus Carbon Fiber

Filament Count	Manufacturer	Class
12K	Hexcel	IM2A, IM7, IM8
24K	Toray	T800

Glass Fiber

Type	Manufacturer	Class
E-Glass	AGY	ECDE75
S2-Glass	AGY	SCG75



Concordia
COMPOSITE MATERIALS

Our capabilities are constantly expanding. Contact us today!

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