

PRODUCT GUIDE: PEEK (POLYETHERETHERKETONE)



EXTREME PERFORMANCE





PEEK: EXTREME PERFORMANCE

PEEK (polyetheretherketone) is a sophisticated fiber product produced through a melt-spinning process. Partially crystalline and naturally golden in color, PEEK has a high tensile strength and is very resistant against chemicals and can operate at extreme temperatures – making it a great fit for some of industry’s most demanding applications.

Applications include:

high-temperature
expansion joints and
hoses, composites,
strings and threads.

FEATURES AND BENEFITS:

- With a melting point of 334C/633F and a continuous service temperature of 250C/482F, PEEK performs extremely well in high temperatures. PEEK’s application window is from -60C/-76F to 250C/482F
- PEEK exhibits good chemical resistance against acids, alkalis and solvents, and its hydrolysis resistance remains high even at elevated temperatures
- As a flame retardant material, PEEK can be used in applications where there is potential exposure to fire
- Add high tensile strength to its list of features and properties and PEEK can be a very attractive material choice in demanding applications

(architectural design)

(commercial&industrial)

(energy)

(environment)

(lifestyle&leisure)

(safety&security)

(transportation)

(fiber and fabric for your most demanding and delicate applications)

PRODUCT GUIDE

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PEEK																		
Product	Features/ Benefits	Color	North America	Europe	Asia	Denier	Dtex	Filament Count	Intermingled	Twisted	Breaking Strength			Tenacity		Elongation @ 54cN/tex	Elongation @ break	Hot Air Shrinkage 180°C-0.01gpd-15min
									(V0)	(T/m)	(lbs)	(kg)	(N)	(g/d)	(cN/dtex)	(%)	(%)	(%)
190	PEEK-Superior Stability			X		370	410	24	T0	On Request	5.2	2.3	23	6.2	5.5	17.5	20.0	1.8
						1100	1230	72	T0		16.0	7.2	71	6.5	5.7	17.0	20.0	1.7

T0 = no twist, no intermingling

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multiplex
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PBT
PEEK

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