

SUPER ENGINEERING PLASTIC

PEEK

Polyetheretherketone

High Temperature Performance

Continuous temperature 260°C (480°F)

Mechanical Strength

Dimensional Stability

Exceptional Chemical Resistance

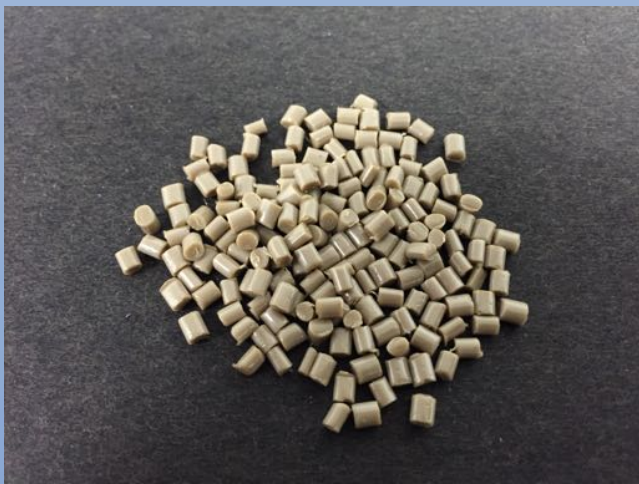
Resistance Hydrolysis

Resistance to steam

High Electrical Integrity

Wear Resistance

Good Radiation resistance



Application :

★Lighter weight than metal High Mechanical Strength & Wear Resistance
Valves for gas & oil ★Resistance Hydrolysis ★Exceptional Chemical
Resistance ★Low smoke and toxic-gas emissions when exposed to flame
Semi conductor application ★High Mechanical Strength & Dimensional
Stability Gears • Sprockets • Bearings • Screws ★High Electrical Integrity
connectors ★High Temperature Performance Heat Resistant tape



PEEK-R		
MFI	g/10min (400°C/ 2.16kgf)	10
Mold Shrinkage	% Flow 流動 Across 垂直	1.1% ~ 1.3% 1.3% ~ 1.5%
Specific Gravity	ASTM D792	1.3
Tensile Strength	MPa ASTM D638	95
Tensile Elongation (Break)	% ASTM D638	20 ~ 30%
Flexural Strength	MPa ASTM D790	152
Flexural Modulus	MPa ASTM D790	3,900
Rockwell Hardness (M-Scale)	ASTM D785	M97
Notched Izod Impact	J/M ASTM D256	69
Deflection Temperature under load	°C ASTM D648	157

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