

## Solvay Specialty Polymers KetaSpire® KT-880P Polyetheretherketone (PEEK) (Unverified Data\*\*)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

### Material Notes:

KetaSpire KT-880P is a high flow grade of unreinforced polyetheretherketone (PEEK) supplied in a natural-color coarse powder form. KetaSpire PEEK is produced to the highest industry standards and is characterized by a distinct combination of properties, which include excellent wear resistance, best-in-class fatigue resistance, ease of melt processing, high purity and excellent chemical resistance to organics, acids and bases. These properties make it well-suited for applications in healthcare, transportation, electronics, chemical processing and other industrial uses. KetaSpire KT-880P is intended for extrusion compounding. This powder is also available as KT-880NT in a natural-color pellet form for injection molding. Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-KetaSpire-KT-880P-Polyetheretherketone-PEEK-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-KetaSpire-KT-880P-Polyetheretherketone-PEEK-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Melt Flow	36 g/10 min @Load 2.16 kg, Temperature 400 °C	36 g/10 min @Load 4.76 lb, Temperature 752 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	100 MPa	14500 psi	ASTM D638
Elongation at Break	10 - 20 %	10 - 20 %	Crystallized; ASTM D638
	>= 60 %	>= 60 %	Quenched; ASTM D638
Elongation at Yield	5.2 %	5.2 %	ASTM D638
Tensile Modulus	3.80 GPa	551 ksi	ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	3.90 GPa	566 ksi	ASTM D790
Izod Impact, Notched	0.430 J/cm	0.806 ft-lb/in	ASTM D256
	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
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Thermal Properties CTE, linear, Parallel to Flow	50.0 µm/m-°C Metric	27.8 µm/in-°F English	Comments TMA, ASTM E831
	@Temperature -50.0 - 50.0 °C	@Temperature -58.0 - 122 °F	
Melting Point	343 °C	649 °F	ASTM D3417
Deflection Temperature at 1.8 MPa (264 psi)	159 °C	318 °F	Unannealed; ASTM D648
Glass Transition Temp, Tg	147 °C	297 °F	ASTM D3417

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Features	Ductile	
	Fatigue Resistant	
	Flame Retardant	
	Good Chemical Resistance	
	Good Dimensional Stability	
	Good Impact Resistance	
	High Flow	
	High Heat Resistance	
Forms	Powder	
Generic	PEEK	
Processing Method	Compression Molding	
	Electrostatic Spray Coating	
RoHS Compliance	RoHS Compliant	
Uses	Electrical/Electronic Applications	
	Industrial Applications	

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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