

## Victrex® APTIV® 2102-050 Polyetheretherketone (PEEK) Polymer Film, Amorphous, Mineral Filled (discontinued \*\*

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

### Material Notes:

APTIV PEEK 2100 series films are the mineral filled amorphous films made from VICTREX® PEEK polymer. The film provides a material solution for engineers in ultra-high performance applications. APTIV PEEK 2100 has a unique combination of properties providing high temperature performance, light weight, mechanical strength, durability, excellent radiation, hydrolysis and chemical resistance, electrical insulation, excellent barrier properties with high purity, good flammability without the use of flame retardants, low toxicity of combustion products, and low moisture absorption in a film format. Inherently halogen free and ease of processing makes APTIV films a technology enabler for our customers and end users. APTIV PEEK 2100 series provides a higher modulus over the APTIV 2000 series amorphous films. This grade is tailored towards thermoforming of thin wall parts with higher modulus, such as speaker diaphragms. Applications: Electrical Insulation Acoustic speaker diaphragms Thermoforming of thin wall parts All information provided by Victrex. Properties measured on 50 micron film

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Victrex-APTIV-2102-050-Polyetheretherketone-PEEK-Polymer-Film-Amorphous-Mineral-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Victrex-APTIV-2102-050-Polyetheretherketone-PEEK-Polymer-Film-Amorphous-Mineral-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ISO 1183
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	>= 200 %	>= 200 %	ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	4.00 GPa	580 ksi	ISO 527
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Shrinkage	2.0 - 4.0 %	2.0 - 4.0 %	TM-VX-84
	@Temperature 200 °C	@Temperature 392 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	100V; ASTM D257
	@Temperature 23.0 °C	@Temperature 73.4 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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