

**VICTREX® PEEK 90P**

PEEK

Victrex plc

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>4100</b>	MPa	ISO 527
Yield stress	<b>100</b>	MPa	ISO 527
Strain at break	<b>5</b>	%	ISO 527
Flexural modulus, 23°C	<b>3900</b>	MPa	ISO 178
Flexural strength	<b>170</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>4</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>343</b>	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	<b>143</b>	°C	ISO 11357-1/-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1300</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Extrusion</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120 - 150</b>	°C	-
Pre-drying - Time	<b>3 - 5</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>380 - 400</b>	°C	-

**Characteristics****Processing**

Other Extrusion

**Delivery form**

Powder, Natural Color

**Certifications**

Food contact, Food approval FDA 21 CFR

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa