

**TECACOMP® PEEK 450 PVX black 3289**

(PEEK+PTFE)-(CF+MX)

Ensinger Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	2	g/10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10000	MPa	ISO 527
Tensile Strength	140	MPa	ISO 527
Strain at break	2	%	ISO 527
Charpy impact strength, +23°C	33	kJ/m <sup>2</sup>	ISO 179/1eU

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

Other properties	Value	Unit	Test Standard
Density	1480	kg/m <sup>3</sup>	ISO 1183
Bulk density	670	kg/m <sup>3</sup>	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	140 - 180	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	390 - 400	°C	-
Mold temperature	160 - 200	°C	-
Zone 1	360 - 400	°C	-

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Delivery form**

Pellets, Black

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America