

**TECACOMP® PPS PVX black 9738**

(PPS+PTFE)-(CF+MX)

Ensinger Compounds

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>12700</b>	MPa	ISO 527
Tensile Strength	<b>130</b>	MPa	ISO 527
Strain at break	<b>1.5</b>	%	ISO 527
Charpy impact strength, +23°C	<b>20</b>	kJ/m <sup>2</sup>	ISO 179/1eU

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>280</b>	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	<b>90</b>	°C	ISO 11357-1/-2
Coeff. of linear therm. expansion, parallel	<b>15</b>	E-6/K	ISO 11359-1/-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1470</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>140 - 150</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Melt temperature	<b>335 - 370</b>	°C	-
Mold temperature	<b>140 - 200</b>	°C	-
Zone 1	<b>300 - 370</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Delivery form**

Pellets, Black

**Regional Availability**

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