



**Product Data Sheet &  
General Processing Conditions**

**VLF 82209  
Polyetheretherketone (PEEK)  
Long Glass Fiber**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>		<b>STANDARD</b>
Primary Additive	50 %	
Density	1.70 g/cm <sup>3</sup>	ISO 1183

<b>MECHANICAL</b>		
Impact Strength, Izod Notched, 4 mm thickness	18 kJ/m <sup>2</sup>	ISO 180/1A
Tensile Strength	230 MPa	ISO 527
Tensile Elongation	1.5 %	ISO 527
Tensile Modulus	17000 MPa	ISO 527
Flexural Strength	350 MPa	ISO 178
Flexural Modulus	18000 MPa	ISO 178

**PROPERTY NOTES**

Data herein is typical and not to be construed as specifications.  
Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

<b>GENERAL PROCESSING FOR INJECTION MOLDING</b>	
Injection Pressure	70 - 125 MPa
Injection Pressure	680 - 1240 bar
Melt Temperature	360 - 400 °C
Mold Temperature	160 - 230 °C
Drying	3 hrs @ 150 °C
Moisture Content	0.02 %
Dew Point	-30 °C