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**Product Data Sheet &
General Processing Conditions**

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

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	50 %	
Density	1.70 g/cm ³	ISO 1183
MECHANICAL		
Impact Strength, Izod		
Notched, 4 mm thickness	18 kJ/m ²	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.

GENERAL PROCESSING FOR INJECTION MOLDING

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