

**PEEK-OPTIMA® Wear Performance LV**

PEEK

Invibio® Biomaterial Solutions

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	<b>155</b>	MPa	ISO 527
Strain at break	<b>2</b>	%	ISO 527
Flexural modulus, 23°C	<b>15000</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>30</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>5.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Rockwell Hardness	<b>M 105</b>	-	ASTM D 785
<b>Other properties</b>			
Water absorption	<b>0.5</b>	%	Sim. to ISO 62
Density	<b>1420</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Delivery form**

Granules, Black

**Regional Availability**

North America, Europe, Asia Pacific

**Applications**

Medical