

**Bergamid™ B70 VN4805 LS PM-Z BK**

PA6

Avient Corporation

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	2.0 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	2000 / 1050	MPa	ISO 527
Yield stress	43 / 28	MPa	ISO 527
Yield strain	3 / 4	%	ISO 527
Strain at break	>50 / >50	%	ISO 527
Flexural modulus, 23°C	1200 / 450	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	89 / 93	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Vicat softening temperature, B	165 / *	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	3.2	mm	-
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Surface Resistivity	* / 1E15	Ohm	ASTM D 257
Volume Resistivity	1E15 / 1E15	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	1070 / 1070	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	60	°C	-
Pre-drying - Time	4	h	-
Melt temperature	240 - 260	°C	-
Mold temperature	60 - 80	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Laser Markable

**Delivery form**

Pellets

**Regional Availability**

Europe

**Special Characteristics**

High impact or impact modified