

**Bergamid™ B70 G45 BK LS**

PA6-GF45

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	0.3 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	13000 / 10000	MPa	ISO 527
Tensile Strength	192 / 150	MPa	ISO 527
Strain at break	2.5 / 3.5	%	ISO 527
Flexural modulus, 23°C	12300 / -	MPa	ISO 178
Charpy impact strength, +23°C	87 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	11 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	1520 / -	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	240 - 280	°C	-
Mold temperature	65 - 85	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Laser Markable

**Delivery form**

Pellets

**Regional Availability**

Europe