

Bergamid™ B70 G45 BK

PA6-GF45

Avient Corporation

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
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 ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Other properties			
Density	1520 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	240 - 280	°C	-
Mold temperature	65 - 85	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Delivery form

Pellets