

Bergamid™ B700 UF black

PA6

Avient Corporation

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	1500 / 1500	MPa	ISO 527
Stress at break	55 / 55	MPa	ISO 527
Strain at break	20 / 20	%	ISO 527
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8.4 / 8.4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.3 / 6.3	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	80 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	190 / *	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	7 / 7	-	IEC 62631-2-1
Volume resistivity	1E10 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Electric strength	45 / 45	kV/mm	IEC 60243-1
Comparative tracking index	600 / 600	-	IEC 60112
Other properties			
Density	1180 / 1180	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets, Black

Special Characteristics

Flame retardant, Halogen-free

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa