

Bergamid™ A700 G20 HW UF

PA66-GF20

Avient Corporation

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	8000 / 7200	MPa	ISO 527
Stress at break	115 / -	MPa	ISO 527
Strain at break	3 / -	%	ISO 527
Charpy impact strength, +23°C	45 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5.5 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	240 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	250 / *	°C	ISO 75-1/-2
Vicat softening temperature, A	245 / *	°C	ISO 306
Vicat softening temperature, B	245 / *	°C	ISO 306
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	3	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Density	1340 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	260 - 280	°C	-
Mold temperature	60 - 90	°C	-
Holding pressure	40 - 90	MPa	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Chemical Resistance

Hydrolytically Stable

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat