

Bergamid™ A700 G45 H (f1)

PA66-GF45

Avient Corporation

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14500	MPa	ISO 527
Stress at break	220	MPa	ISO 527
Strain at break	2	%	ISO 527
Charpy impact strength, +23°C	90	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	80	kJ/m ²	ISO 179/1eU
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	250	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.7	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	3	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.7	-	IEC 62631-2-1
Volume resistivity	1E9	Ohm*m	IEC 62631-3-1
Surface resistivity	1E12	Ohm	IEC 62631-3-2
Electric strength	90	kV/mm	IEC 60243-1
ASTM Data			
Dielectric Strength, Short Time	21	kV/mm	ASTM D 149
Other properties			
Density	1500	kg/m ³	ISO 1183

Characteristics**Delivery form**

Pellets

Regional Availability

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

Special Characteristics

Heat stabilized or stable to heat