

Trilliant™ HC HC6200-5001 XR Grey

PA12

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8000	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	0.75	%	ISO 527
Flexural modulus, 23°C	10000	MPa	ISO 178
Charpy impact strength, +23°C	10	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	130	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	160	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	1000	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	11000	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	230 - 280	°C	-
Mold temperature	65 - 100	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Chemical Resistance

Radiation Resistance

Applications

Encapsulation, Medical

Regional Availability

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