

XYRON™ AG511

(PA6+PPE)-GF10

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	90	MPa	ISO 527
Flexural modulus, 23°C	3850	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, parallel	50	E-6/K	ISO 11359-1/-2
ASTM Data			
DTUL @ 264 psi	150	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	3.3	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	6	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	11	E-4	IEC 62631-2-1
Volume resistivity	1.3E14	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	24	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1170	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 130	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	260 - 300	°C	-
Mold temperature	60 - 120	°C	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Regional Availability

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