

Xyron™ AT602

(PA*+PPE)-X20

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	55	MPa	ISO 527
Flexural modulus, 23°C	3900	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA

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	138	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	3.3	-	IEC 62631-2-1
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Dissipation factor, 100Hz	70	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	110	E-4	IEC 62631-2-1
Volume resistivity	4.5E13	Ohm*m	IEC 62631-3-1
Electric strength	27	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110 - 130	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	280 - 300	°C	-
Mold temperature	60 - 120	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Features

Creep Resistance, Low Warpage