

**XYRON™ 240V**

(PPE+PS)

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	49	MPa	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	80	MPa	ISO 178
<sup>[C]</sup> Charpy notched impact strength, +23°C	17	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	83	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	75	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

**ASTM Data**

DTUL @ 264 psi	90	°C	ASTM D 648
----------------	----	----	------------

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	2.9	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	3	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	3	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	29	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	10	%	Sim. to ISO 62
<sup>[C]</sup> Density	1090	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	220 - 270	°C	-
Mold temperature	40 - 70	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Regional Availability**

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