

**XYRON™ 540V**

(PPE+PS)

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	60	MPa	ISO 527
Flexural modulus, 23°C	2430	MPa	ISO 178
Flexural strength	98	MPa	ISO 178
<sup>[C]</sup> Charpy notched impact strength, +23°C	18	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	114	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	0.7	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	120	°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	4	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	0.1	%	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	90 - 100	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	50 - 80	°C	-
Mold temperature	240 - 300	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Regional Availability**

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