

Xyron™ 240W
(PPE+PS)

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	41	MPa	ISO 527
Flexural modulus, 23°C	2250	MPa	ISO 178
Flexural strength	71	MPa	ISO 178
Charpy notched impact strength, +23°C	14	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
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
Burning behav. at 1.5 mm nom. thickn. Thickness tested	V-2 1.6	class mm	IEC 60695-11-10 -
ASTM Data			
DTUL @ 264 psi	90	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	2.9	-	IEC 62631-2-1
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Dissipation factor, 100Hz	30	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	40	E-4	IEC 62631-2-1
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2
Electric strength	29	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ISO 1183

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