

Xyron™ EV103
(PP+PPE)

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	37	MPa	ISO 527
Flexural modulus, 23°C	2050	MPa	ISO 178
Flexural strength	57	MPa	ISO 178
Charpy notched impact strength, +23°C	19	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
ASTM Data			
DTUL @ 264 psi	97	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	2.3	-	IEC 62631-2-1
Relative permittivity, 1MHz	2.3	-	IEC 62631-2-1
Dissipation factor, 100Hz	2	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	5	E-4	IEC 62631-2-1
Volume resistivity	8.4E14	Ohm*m	IEC 62631-3-1
Electric strength	30	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	930	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	1 - 2	h	-
Melt temperature	230 - 260	°C	-
Mold temperature	50 - 70	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific