

XYRON™ VN30V

(PPE+PS)

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	46	MPa	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Flexural strength	78	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	96	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	75	E-6/K	ISO 11359-1/-2
^[C] 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	100	°C	ASTM D 648

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.06	%	Sim. to ISO 62
^[C] Density	1080	kg/m ³	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	250 - 290	°C	-
Mold temperature	50 - 80	°C	-

Characteristics**Processing**

Injection Molding

Features

Acoustical Barrier Properties

Regional Availability

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