

XYRON™ DG235

(PPS+PPE)-GF30

Asahi Kasei

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	125	MPa	ISO 527
Flexural modulus, 23°C	9750	MPa	ISO 178
Flexural strength	192	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	240	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	35	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	4	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	4	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	10	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	20	E-4	IEC 62631-2-1
^[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] Density	1440	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	300 - 330	°C	-
Mold temperature	90 - 130	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

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