

TECHNICAL DATA SHEET

# Xytron™ G3020DW-FC

Envalior  
PPS-GF30

**Processing**

Injection molding

**Delivery Form**

Granules

**Special Characteristics**

Flame retardant

**Certifications**

Recycled resin content, Food contact, Drinking water contact

## Product Text

**Product Information**

30% Glass Reinforced, Drinking Water Grade, Food Contact Quality, Flame Retardant

ISO 1043 PPS-GF30

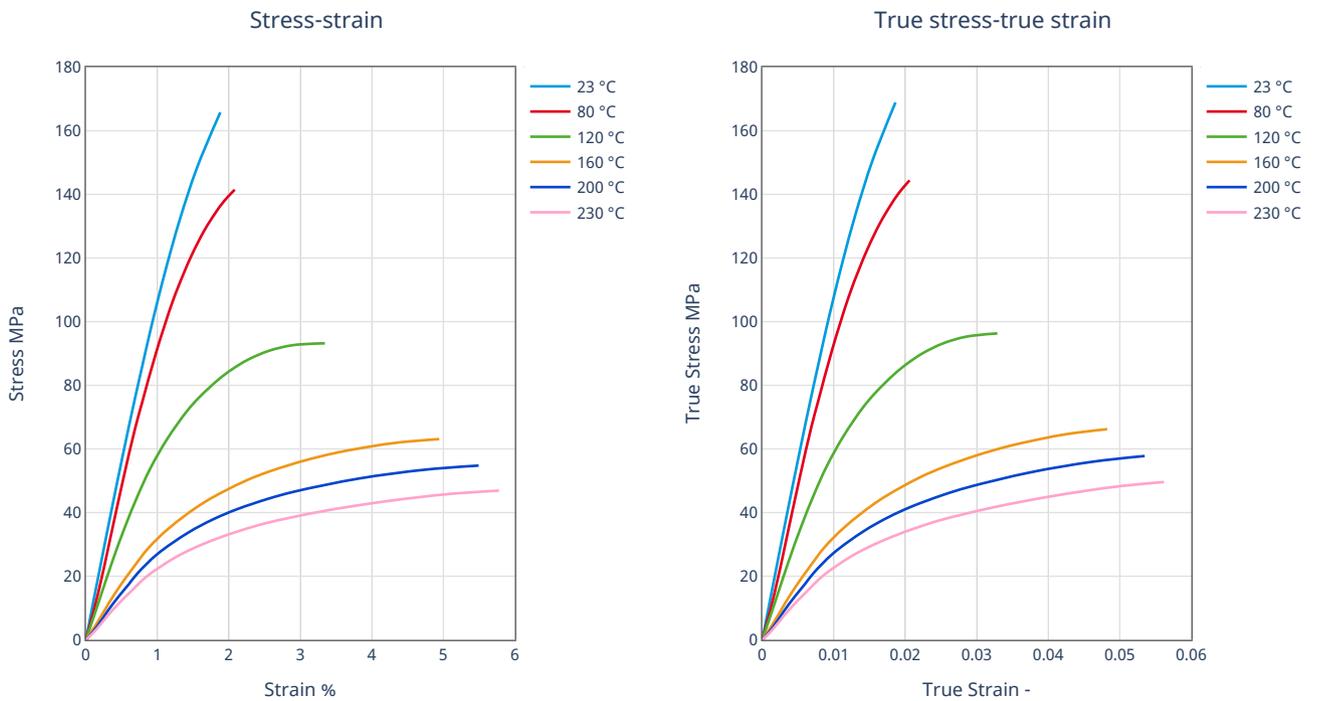
Processing/Physical Characteristics	Value	Unit	Standard
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.65	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	11500	MPa	ISO 527
Stress at break	175	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	280	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	90	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	265	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	18	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	50	E-6/K	ISO 11359-1/-2

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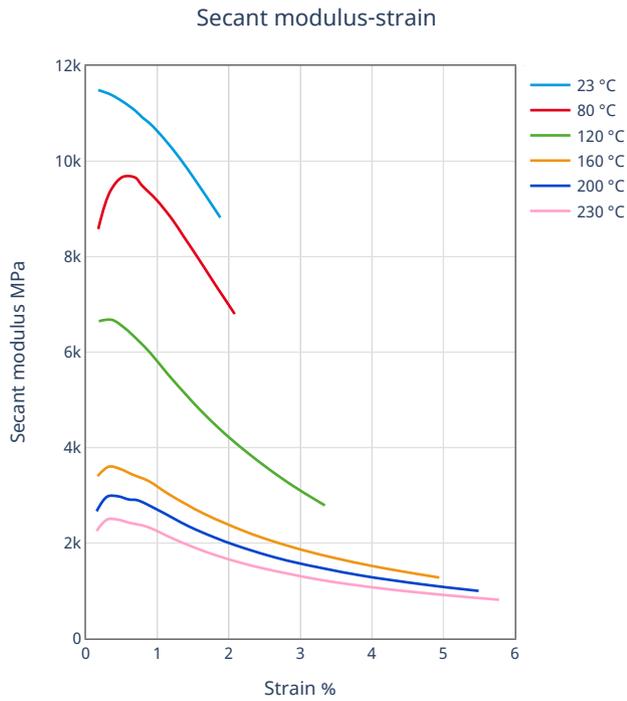
Electrical Properties	Value	Unit	Standard
Relative permittivity, 1MHz	3.7		IEC 62631-2-1
Dissipation factor, 1MHz	30	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Other Properties	Value	Unit	Standard
Humidity absorption	0.05	%	Sim. to ISO 62
Density	1550	kg/m <sup>3</sup>	ISO 1183

## Diagrams



# Xytron™ G3020DW-FC

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## Processing Information

### Injection molding

Injection Molding Recommendations

Hot runner recommendations for molding high heat performance Engineering Materials

Recommendations for machining Xytron