

Xyron G702H

Property		Units	Test Method	Test Condition	Xyron G702H
Specific Gravity		-	ISO 1183	23°C	1.22
Moisture Absorption		%	ISO 62	Immersion for 24 hours	0.06
Thermal	Temperature of Deflection Under Load (TDUL)	°C	ISO 75-1	1.80MPa	139
			ASTM D648	1.82MPa	140
	Coefficient Linear Thermal Expansion	mm/mm/°C	ISO11359	-30°C~65°C	3.5 X 10 ⁻⁵
	Mold Shrinkage	%	ISO 294-4	—	—
			ASTM D955	—	0.20 ~ 0.40
Flammability	—	UL 94	1.6mm	HB	
			3.2 mm	HB	
Electrical	Dielectric Constant	—	IEC 60250	100 Hz	3.1
				1 MHz	3.1
	Dissipation Factor	—	IEC 60250	100 Hz	0.0006
				1 MHz	0.0011
	Volume Resistivity	Ω · cm	IEC 60093	23°C, 50%RH	10 ¹⁶
	Surface Resistivity	Ω	IEC 60093	23°C, 50%RH	10 ¹⁶
Dielectric Strength	kV/mm	IEC 60243	Short time, 2mm	43	
Comparative Tracking Index	V	IEC 60112	3mm	—	
Mechanical	Ultimate Tensile Strength	MPa	ISO 527	23°C, 50%RH	90
	(Nominal) Tensile Strain	%	ISO 527	23°C, 50%RH	2
	Flexural Strength	MPa	ISO 178	23°C, 50%RH	146
	Flexural Modulus	MPa	ISO 178	23°C, 50%RH	4850
	Charpy Impact Strength (notched)	kJ/m ²	ISO 179	4mm, 23°C	8
Moulding Conditions	Resin Temperature	°C	—	—	260 ~ 300
	Mold Temperature	°C	—	—	60 ~ 100
	Pre-drying Temperature	°C	—	—	90 ~ 100
	Pre-dying Time	hr	—	—	2 ~ 4
Note					GF 20%

Notes: —

Data shown are typical values obtained by proper testing methods and should not be used for specification purpose. Please use these data for selecting the most appropriate grade suitable for specific usage. These data maybe changed because of the improvement in properties.