

Xytron™ G3084E

PPS-I-GF30

Print Date: 2025-11-29

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Molding shrinkage (parallel)	0.2	%	ISO 294-4
Molding shrinkage (normal)	0.65	%	ISO 294-4
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	10900	MPa	ISO 527-1/-2
Stress at break	164	MPa	ISO 527-1/-2
Strain at break	2.3	%	ISO 527-1/-2
Flexural modulus	10000	MPa	ISO 178
Flexural strength	242	MPa	ISO 178
Charpy impact strength (+23°C)	65	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	13	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
	VALUE		
Melting temperature (10°C/min)	280	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	260	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.17	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.5	E-4/°C	ISO 11359-1/-2
Coef. of lin. therm expansion, parallel, above Tg	0.13	E-4/°C	ISO 11359-1/-2
Coef. of lin. therm expansion, normal, above Tg	1.28	E-4/°C	ISO 11359-1/-2
Burning Behav. at 3.0 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	3	mm	IEC 60695-11-10
UL recognition	Yes	—	—
Relative Temperature Index – electrical	130	°C	UL746B

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RTI electrical (Thickness (1) tested)	1.5	mm	UL746B
Thermal conductivity in plane	0.28	W/(m K)	ASTM E1461
Thermal conductivity through plane	0.3	W/(m K)	ASTM E1461
ELECTRICAL PROPERTIES	VALUE		
Comparative tracking index	150	V	IEC 60112
OTHER PROPERTIES	VALUE		
Density	1510	kg/m³	ISO 1183

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