Property Data

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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