

ForTii® N11

PPA-GF30 FR(16+72)

30% Glass Reinforced, PA4T, Flame Retardant

Print Date: 2019-09-28

Properties	Typical Data	Unit	Test Method
Rheological properties dry / cond			
Molding shrinkage (parallel)	0.4 / *	%	ISO 294-4
Molding shrinkage (normal)	0.8 / *	%	ISO 294-4
Mechanical properties dry / cond			
Tensile modulus	13500 / 13500	MPa	ISO 527-1/-2
Stress at break	175 / 170	MPa	ISO 527-1/-2
Strain at break	2 / 1.9	%	ISO 527-1/-2
Charpy impact strength (+23°C)	45 / 45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / 12	kJ/m ²	ISO 179/1eA
Thermal properties dry / cond			
Melting temperature (10°C/min)	325 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	309 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.3 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.37 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
Electrical properties dry / cond			
Electric strength	33 / 33	kV/mm	IEC 60243-1
Comparative tracking index	525 / -	V	IEC 60112
Relative permittivity (100Hz)	3.9 / 4.4	-	IEC 60250
Relative permittivity (1 MHz)	3.7 / 3.9	-	IEC 60250

Property Data (Provisional)

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Relative permittivity (1GHz)	3.3 / 3.5	-	IEC 60250
Other properties	dry / cond		
Humidity absorption	1.35 / *	%	Sim. to ISO 62
Density	1680 / -	kg/m ³	ISO 1183