

Stanyl® ForTii™ LDS51 (NC1119B)

PA4T-GF30 FR(40)

30% Glass Reinforced, Flame Retardant, Halogen free and free of red phosphorous, Laser Direct Structuring (LDS)

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	11000/11000	MPa	ISO 527-1/-2
Stress at break	120/120	MPa	ISO 527-1/-2
Strain at break	1.6/1.6	%	ISO 527-1/-2
Charpy impact strength (+23°C)	25/-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3/-	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)	290/*	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.3	E-4/°C	ASTM D696
Coeff. of linear therm. expansion (normal)	0.4	E-4/°C	ASTM D696
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		
Volume resistivity	>1E13/>1E13	Ohm*m	IEC 60093
Comparative tracking index	400/-	-	IEC 60112
Other properties			
	dry / cond		
Density	1580/-	kg/m ³	ISO 1183

