

ForTii® CX33F

PPA-GF50

50% Glass Reinforced, PA4T, Chemical resistant to a wide range of chemicals, Low Warpage, Wear and Friction Modified

ForTii® CX33F is a high stiffness, low warpage material for metal replacement which is optimized for low friction and good scratch resistance. ForTii CX33F is resistant to a wide range of chemicals and is suitable for demanding industrial applications.

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	0.2 / *	%	ISO 294-4
Molding shrinkage (normal)	0.7 / *	%	ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	17000 / 17000	MPa	ISO 527-1/-2
Stress at break	275 / 275	MPa	ISO 527-1/-2
Strain at break	2.7 / 2.7	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	15 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	315 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	290 / *	°C	ISO 75-1/-2
Other properties	dry / cond		
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1620 / -	kg/m ³	ISO 1183

