

ForTii® Ace XTR31S

PPA

Unreinforced, PA4T, Lubricated, Medium/High Viscosity

ForTii® Ace XTR31S has excellent viscosity stability, chemical resistance, barrier performance and stable processing and can be used in many (co)extrusion and pultrusion processes. The material is not heat stabilized. In case no reinforcement is added, long term use above 130°C is not recommended.

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	3300 / -	MPa	ISO 527-1/-2
Tensile modulus (120°C)	3300 / -	MPa	ISO 527-1/-2
Yield stress (120°C)	75	MPa	ISO 527-1/-2
Stress at break	95 / -	MPa	ISO 527-1/-2
Strain at break	4 / -	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	6 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	320 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	127 / *	°C	ISO 75-1/-2
Other properties			
	dry / cond		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1200 / -	kg/m ³	ISO 1183

