

Stanyl® TS272A1

PA46-AF

Aramid fibre reinforced, Wear and Friction Modified

Print Date: 2019-10-16

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	2.2 / *	%	ISO 294-4
Molding shrinkage (normal)	2.2 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	2800 / -	MPa	ISO 527-1/-2
Stress at break	80 / -	MPa	ISO 527-1/-2
Strain at break	20 / -	%	ISO 527-1/-2
Flexural modulus	2400 / -	MPa	ISO 178
Flexural strength	100 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	5 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	160 / *	°C	ISO 75-1/-2
Other properties			
	dry / cond		
Humidity absorption	3 / *	%	Sim. to ISO 62
Density	1260 / -	kg/m ³	ISO 1183