

Tribocomp® PPA GF30 TSO

(PPA+PTFE)-GF30

Syensqo

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Thermal conductivity of melt	0.3	W/(m K)	-
Mechanical properties			
ISO Data			
Tensile Modulus	11300 / 11000	MPa	ISO 527
Tensile Strength	185 / -	MPa	ISO 527
Strain at break	2.2 / 2.2	%	ISO 527
Flexural modulus, 23°C	10500 / 10000	MPa	ISO 178
Charpy impact strength, +23°C	50 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	285 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	300 / *	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Electrical properties			
ISO Data			
Electric strength	35 / -	kV/mm	IEC 60243-1
Comparative tracking index	550 / -	-	IEC 60112
ASTM Data			
Surface Resistivity	* / 1E12	Ohm	ASTM D 257
Other properties			
Water absorption	4.4 / *	%	Sim. to ISO 62
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1550 / -	kg/m ³	ISO 1183

Characteristics**Regional Availability**

Europe