

Witcom PBT/6G/2L3

(PBT+PTFE+SI)-GF30

Wittenburg B.V.

Product Texts

10% PTFE/Silicone oil

Processing/Physical Characteristics**ISO Data**

	Value	Unit	Test Standard
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577

Mechanical properties**ISO Data**

	Value	Unit	Test Standard
Tensile Strength	115	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	8400	MPa	ISO 178
Flexural strength	165	MPa	ISO 178
Izod impact strength, +23°C	55	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A

Thermal properties**ISO Data**

	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	215	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	29	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB	class	IEC 60695-11-10
Glow Wire Flammability Index (GWFI)	1.5	mm	-
GWFI - thickness tested (1)	650	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	1.6	mm	-
GWIT - thickness tested (1)	650	°C	IEC 60695-2-13
	1.6	mm	-

Electrical properties**ISO Data**

	Value	Unit	Test Standard
Comparative tracking index	325	-	IEC 60112

ASTM Data

Surface Resistivity	1E14	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1570	kg/m ³	ISO 1183

Characteristics**Additives**

Lubricants

Regional Availability

Europe