

Witcom PBT/4L3

(PBT+PTFE+SI)

Wittenburg B.V.

Product Texts

20% PTFE/Si

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.1	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Strength	45	MPa	ISO 527
Strain at break	10	%	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Flexural strength	60	MPa	ISO 178
Izod impact strength, +23°C	30	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	5.2	kJ/m ²	ISO 180/1A

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	65	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	650	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.6	mm	-

Electrical properties

	Value	Unit	Test Standard
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	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1400	kg/m ³	ISO 1183

Characteristics**Additives**

Lubricants

Regional Availability

Europe