

Witcom PC-6C-3L1

(PC+PTFE)-CF30

Wittenburg B.V.

Product Texts

15% PTFE

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	135	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	15500	MPa	ISO 178
Flexural strength	210	MPa	ISO 178
Izod impact strength, +23°C	35	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	135	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.6	mm	-

Electrical properties**ASTM Data**

	Value	Unit	Test Standard
Surface Resistivity	1000	Ohm	ASTM D 257
Volume Resistivity	10000	Ohm*cm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1430	kg/m ³	ISO 1183

Characteristics**Additives**

Lubricants

Regional Availability

Europe

Special Characteristics

Increased electrical conductivity