

Witcom PA66/3A/2L1

(PA66+PTFE)-AF15

Wittenburg B.V.

Product Texts

10% PTFE

Processing/Physical Characteristics**ISO Data**

	Value	Unit	Test Standard
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577

Mechanical properties**ISO Data**

	Value	Unit	Test Standard
Tensile Strength	85	MPa	ISO 527
Strain at break	6	%	ISO 527
Flexural modulus, 23°C	3800	MPa	ISO 178
Flexural strength	110	MPa	ISO 178
Izod impact strength, +23°C	35	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	4.8	kJ/m ²	ISO 180/1A

Thermal properties**ISO Data**

	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	195	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	51	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**ISO Data**

	Value	Unit	Test Standard
Comparative tracking index	600	-	IEC 60112

ASTM Data

Surface Resistivity	1E12	Ohm	ASTM D 257
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Other properties

	Value	Unit	Test Standard
Water absorption	7.5	%	Sim. to ISO 62
Humidity absorption	2.1	%	Sim. to ISO 62
Density	1230	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	275 - 295	°C	-
Mold temperature	60 - 95	°C	-
Back pressure	0 - 1	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Additives

Lubricants