

**Witcom ABS/3L1**

(ABS+PTFE)

Wittenburg B.V.

**Product Texts**

15% PTFE

**Processing/Physical Characteristics****ISO Data**

	Value	Unit	Test Standard
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

**Mechanical properties****ISO Data**

	Value	Unit	Test Standard
Tensile Strength	40	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Izod impact strength, +23°C	35	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 180/1A

**Thermal properties****ISO Data**

	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	80	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	1E15	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

**Other properties**

	Value	Unit	Test Standard
Water absorption	0.9	%	Sim. to ISO 62
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1140	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Additives**

Lubricants

**Regional Availability**

Europe