

Witcom PEEK/4L1
(PEEK+PTFE)

Wittenburg B.V.

Product Texts

20% PTFE

Processing/Physical Characteristics**ISO Data**

	Value	Unit	Test Standard
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577

Mechanical properties**ISO Data**

	Value	Unit	Test Standard
Tensile Strength	75	MPa	ISO 527
Strain at break	15	%	ISO 527
Flexural modulus, 23°C	3100	MPa	ISO 178
Flexural strength	105	MPa	ISO 178
Izod impact strength, +23°C	65	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6.6	kJ/m ²	ISO 180/1A

Thermal properties**ISO Data**

	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	155	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	47	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	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**ISO Data**

	Value	Unit	Test Standard
Comparative tracking index	175	-	IEC 60112

ASTM Data

Surface Resistivity	1E15	Ohm	ASTM D 257
Volume Resistivity	1E16	Ohm*cm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Water absorption	0.5	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1410	kg/m ³	ISO 1183

Characteristics**Additives**

Lubricants

Regional Availability

Europe