

Witcom PE/4L1

(PE+PTFE)

Wittenburg B.V.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	20	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Flexural strength	25	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	5.5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	45	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	150	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
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	0.02	%	Sim. to ISO 62
Humidity absorption	0.01	%	Sim. to ISO 62
Density	1060	kg/m ³	ISO 1183

Characteristics**Additives**

Lubricants

Regional Availability

Europe