



# TECHNICAL DATA SHEET

## Witcom PC/2L1, based on Polycarbonate (PC)

10% PTFE

Properties	Test method	Unit	PC/2L1
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### *Physical properties*

Specific gravity	ISO 1183	g/cm <sup>3</sup>	1,26
Water absorption at saturation, 23 °C	ISO 62	%	0,3
Humidity absorption, 23 °C/50 % RH	ISO 62	%	0,1
Mould shrinkage (flow direction, 3 mm)	ISO 2577	%	0,5 - 0,8

### *Mechanical properties*

Tensile strength (max.)	ISO 527	MPa	55
Elongation at break	ISO 527	%	>10
Flexural strength	ISO 178	MPa	70
Flexural modulus	ISO 178	GPa	2,1
IZOD impact strength, notched	ISO 180/1eA	kJ/m <sup>2</sup>	22,0
IZOD impact strength, unnotched	ISO 180/1eU	kJ/m <sup>2</sup>	75

### *Thermal properties*

Heat distortion temperature (1,81 MPa)	ISO 75	°C	130
Relative temperature index, 3 mm with impact	UL 746B	°C	130
Coefficient of linear thermal expansion	ISO 11359	K-1·10 <sup>-5</sup>	6,7

### *Flammability*

Burning behaviour	ISO 1210	-	V1 @ 3,0 mm
UL recognition	UL94	-	-

### *Electrical properties*

Surface resistivity	ASTM D257	Ω/sq	10 <sup>15</sup>
Volume resistivity	ASTM D257	Ω·cm	10 <sup>16</sup>
Comparative tracking index	IEC 60112	V	275
Glow wire rating, 1,6 mm	IEC 695-2-1	°C	850

Revision date: 19-07-2006

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