

**Witcom PBT/2C-S**

PBT-CF10

Wittenburg B.V.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.6</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>150</b>	MPa	ISO 527
Strain at break	<b>3</b>	%	ISO 527
Flexural modulus, 23°C	<b>6000</b>	MPa	ISO 178
Flexural strength	<b>150</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>35</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>6</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>215</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>34</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>3.0</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>750</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>1.6</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>750</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>1.6</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1000000</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1000000</b>	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>0.45</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1350</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Increased electrical conductivity

**Regional Availability**

Europe