

**Witcom PC/3C-EM-MR Black**

PC-CF15

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>0.2</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>140</b>	MPa	ISO 527
Strain at break	<b>3</b>	%	ISO 527
Flexural modulus, 23°C	<b>8500</b>	MPa	ISO 178
Flexural strength	<b>190</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>45</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>9.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>135</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>22</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Surface Resistivity	<b>10000</b>	Ohm	ASTM D 257
<b>Other properties</b>			
Water absorption	<b>0.3</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.1</b>	%	Sim. to ISO 62
Density	<b>1260</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>3 - 5</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>280 - 320</b>	°C	-
Mold temperature	<b>80 - 120</b>	°C	-
Back pressure	<b>0 - 1</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Additives**

Release agent

**Special Characteristics**

Increased electrical conductivity

**Regional Availability**

Europe