

**Witcom PA12-EC-HI**

PA12

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	1.2	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	45	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Flexural strength	55	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10	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	50	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	100000	Ohm	ASTM D 257
Volume Resistivity	10000	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	1.1	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1100	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Increased electrical conductivity, High impact or impact modified

**Regional Availability**

Europe