

**Witcom POM-C-2012/300 EXP1**

POM

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	2.5	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	60	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	3200	MPa	ISO 178
Flexural strength	75	MPa	ISO 178
Izod impact strength, +23°C	70	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	6	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	115	°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>ASTM Data</b>			
Surface Resistivity	1E14	Ohm	ASTM D 257
<b>Other properties</b>			
Water absorption	0.7	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1510	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.05	%	-
Melt temperature	170 - 210	°C	-
Mold temperature	50 - 120	°C	-
Back pressure	0 - 0.5	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Features**

Metal Detectable, Copolymer