Witcom POM-C-EC-EP-HI

POM — Wittenburg B.V.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**1.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	**45**	MPa	ISO 527
Strain at break	**6**	%	ISO 527
Flexural modulus, 23°C	**1800**	MPa	ISO 178
Flexural strength	**50**	MPa	ISO 178
Izod impact strength, +23°C	**75**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**6.5**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**105**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**110**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	**1000**	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water absorption	**0.8**	%	Sim. to ISO 62
Humidity absorption	**0.2**	%	Sim. to ISO 62
Density	**1420**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Features
Copolymer

Special Characteristics
Increased electrical conductivity, High impact or impact modified

Regional Availability
Europe