

Witcom PP-H-EC-FR-ECO Natural EXP2

PP

Wittenburg B.V.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	30	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	40	MPa	ISO 178
Izod impact strength, +23°C	20	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.6	mm	-
Electrical properties			
ASTM Data			
Surface Resistivity	1E7	Ohm	ASTM D 257
Other properties			
Water absorption	0.03	%	Sim. to ISO 62
Humidity absorption	0.01	%	Sim. to ISO 62
Density	1120	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	200 - 260	°C	-
Mold temperature	40 - 80	°C	-
Back pressure	0 - 1	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

Increased electrical conductivity, Flame retardant, Halogen-free

Features

Homopolymer

Regional Availability

Europe