

Witcom ABS/3S

ABS-MEF(x)

Wittenburg B.V.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	40	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	3700	MPa	ISO 178
Flexural strength	75	MPa	ISO 178
Izod impact strength, +23°C	20	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6.5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	650	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	10000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water absorption	1	%	Sim. to ISO 62
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1160	kg/m ³	ISO 1183

Characteristics**Features**

EMI Attenuation/Shielding

Regional Availability

Europe