

**PRE-ELEC® PC-ABS 1420**

(PC+ABS)-CD

Premix Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	13	g/10min	ISO 1133
Temperature	240	°C	-
Load	21.6	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	37	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Charpy impact strength, +23°C	33	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	93	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	107	°C	ISO 75-1/-2
Vicat softening temperature, A	138	°C	ISO 306
Vicat softening temperature, B	118	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
<b>Other Standards<sup>S1</sup></b>			
Volume resistivity	1.5	Ohm*m	PRE021
Surface resistivity	6000	Ohm	IEC 61340-2-3

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1120	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	70 - 90	°C	-
Zone 1	280 - 300	°C	-
Nozzle temperature	290 - 300	°C	-

**Characteristics****Processing**

Sheet Extrusion, Other Extrusion, Thermoforming

**Special Characteristics**

Increased electrical conductivity

**Certifications**

RoHS compliant

**Applications**

Electrical and Electronical

**Regional Availability**

Europe, Asia Pacific