

**PRE-ELEC® PE 14708GF**

PE-(GF+CD)

Premix Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	17	g/10min	ISO 1133
Temperature	190	°C	-
Load	21.6	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	48	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	4600	MPa	ISO 178
Charpy impact strength, +23°C	30	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	15	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	100	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	120	°C	ISO 75-1/-2
Vicat softening temperature, A	124	°C	ISO 306
Vicat softening temperature, B	88	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
<b>Other Standards<sup>S1</sup></b>			
Volume resistivity	0.25	Ohm*m	PRE021
Surface resistivity	500	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	1240	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	60 - 80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	210 - 260	°C	-
Mold temperature	40 - 80	°C	-
Injection pressure	75 - 120	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Increased electrical conductivity

**Certifications**

RoHS compliant

**Applications**

Electrical and Electronical

**Regional Availability**

Europe, Asia Pacific