

**Product Texts**

VALOX VC112 compound is based on Polybutylene Terephthalate (PBT) resin containing 12% carbon fiber. Added features of this grade include: Electrically Conductive, Flame Retardant.

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Flexural Modulus	<b>7350</b>	MPa	ASTM D 790
Flexural Strength	<b>176</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>49</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>180</b>	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	<b>1E8</b>	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	<b>1440</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>235 - 255</b>	°C	-
Mold temperature	<b>50 - 130</b>	°C	-
Zone 1	<b>225 - 245</b>	°C	-
Zone 2	<b>230 - 250</b>	°C	-
Zone 3	<b>235 - 255</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Additives**

Flame retarding agent

**Special Characteristics**

Increased electrical conductivity, Flame retardant

**Regional Availability**

North America, Europe, Asia Pacific