

Product Texts

VALOX VC130 compound is based on Polybutylene Terephthalate (PBT) resin containing 30% carbon fiber. Added features of this grade include: Electrically Conductive, Flame Retardant.

UL Yellow Card Link [E45587-236843](https://www.ul.com/yellowcard/E45587-236843)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	17460	MPa	ASTM D 790
Flexural Strength	238	MPa	ASTM D 790
Izod Impact notched, 1/8 in	76	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 66 psi	205	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	235 - 255	°C	-
Mold temperature	50 - 100	°C	-
Zone 1	225 - 245	°C	-
Zone 2	230 - 250	°C	-
Zone 3	235 - 255	°C	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Increased electrical conductivity, Flame retardant

Regional Availability

North America, Europe, Asia Pacific