

NANOVIA PC

PC

NANOVIA

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	700	MPa	ISO 527
Strain at break	120	%	ISO 527
Flexural modulus, 23°C	900	MPa	ISO 178
Izod notched impact strength, +23°C	65	kJ/m ²	ISO 180/1A
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	3	mm	-
Coefficient of Thermal Expansion, MD	55	E-6/K	ASTM D 696
DTUL @ 66 psi	144	°C	ASTM D 648
DTUL @ 264 psi	50	°C	ASTM D 648
Melting Temperature	300	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	30	kV/mm	ASTM D 149
Volume Resistivity	4E16	Ohm*cm	ASTM D 257
Arc Resistance	120	s	ASTM D 495
Other properties			
Density	1200	kg/m ³	ASTM D 792

Characteristics**Processing**

Additive Manufacturing

Delivery form

Monofilament

Special Characteristics

Flame retardant

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe