NANOVIA PC/PTFE

(PC+PTFE) NANOVIA

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.7**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.7**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2200**	MPa	ISO 527
Yield strain	**3**	%	ISO 527
Stress at break	**55**	MPa	ISO 527
Strain at break	**8**	%	ISO 527
Charpy impact strength, +23°C	**50**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**130**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**140**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Burning behav. at thickness h	**V-1**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1320**	kg/m³	ISO 1183

Characteristics

Processing
Additive Manufacturing

Delivery form
Monofilament

Additives
Lubricants

Features
Tribologic Grade

Regional Availability
Europe