

TORAYCA 3101T-10V

PA66-CF10

Toray Industries, Inc.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	175	MPa	ISO 527
Strain at break	2.8	%	ISO 527
Flexural modulus, 23°C	8200	MPa	ISO 178
Charpy notched impact strength, +23°C	5.1	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	265	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	38	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	0.1	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Humidity absorption	2.3	%	Sim. to ISO 62
Density	1180	kg/m ³	ISO 1183

Characteristics**Regional Availability**

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa