

TORELINA® A504FG1

PPS-GF40

Toray Industries, Inc.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	165	MPa	ISO 527
Strain at break	1.4	%	ISO 527
Flexural modulus, 23°C	15500	MPa	ISO 178
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 123	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	278	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	260	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	23	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	31	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.3	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.6	-	IEC 62631-2-1
Dissipation factor, 1MHz	20	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Electric strength	22	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1660	kg/m ³	ISO 1183

Characteristics**Delivery form**

Black, Natural Color

Regional Availability

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