

**TORELINA® A504X95**

PPS-GF40

Toray Industries, Inc.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>200</b>	MPa	ISO 527
Strain at break	<b>1.6</b>	%	ISO 527
Flexural modulus, 23°C	<b>15500</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>45</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>R 122</b>	-	ISO 2039-2

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

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>3.6</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>20</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1
Electric strength	<b>25</b>	kV/mm	IEC 60243-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1660</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Delivery form**

Black, Natural Color

**Regional Availability**

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