

**TORAYCON® 1401X31**

PBT

Toray Industries, Inc.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2700</b>	MPa	ISO 527
Tensile Strength	<b>55</b>	MPa	ISO 527
Strain at break	<b>10</b>	%	ISO 527
Flexural modulus, 23°C	<b>2500</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>155</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>3.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>M 77</b>	-	ISO 2039-2

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>60</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>140</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>110</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Dissipation factor, 1MHz	<b>200</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1
Electric strength	<b>17</b>	kV/mm	IEC 60243-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1310</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Regional Availability**

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