

**Teonex® TN8050SC**

PEN

Teijin Chemicals Ltd.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2200</b>	MPa	ISO 527
Yield stress	<b>80</b>	MPa	ISO 527
Yield strain	<b>7</b>	%	ISO 527
Stress at break	<b>38</b>	MPa	ISO 527
Strain at break	<b>15</b>	%	ISO 527
Flexural modulus, 23°C	<b>2250</b>	MPa	ISO 178
Flexural strength	<b>99</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>98</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>2</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Rockwell Hardness	<b>M 107</b>	-	ASTM D 785

<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>91</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>105</b>	°C	ISO 75-1/-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1330</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Certifications**

Food contact, Food approval 10/2011

**Regional Availability**

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