

**TERRYL® PA513**

PA\*

Cathay Industrial Biotech Ltd.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>1600</b>	MPa	ISO 527
Yield stress	<b>50</b>	MPa	ISO 527
Yield strain	<b>100</b>	%	ISO 527
Flexural modulus, 23°C	<b>1390</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>7.8</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>8.6</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>208</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>50</b>	°C	ISO 75-1/-2

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1E11</b>	Ohm*m	IEC 62631-3-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	<b>0.3</b>	%	Sim. to ISO 62
Density	<b>1060</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Features**

Barrier Properties

**Certifications**

Contains renewable resources

**Applications**

Automotive, Electrical and Electronical, Sports Equipment

**Regional Availability**

Asia Pacific