

TERRYL® PA510

PA*

Cathay Industrial Biotech Ltd.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Yield strain	100	%	ISO 527
Flexural modulus, 23°C	1600	MPa	ISO 178
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	7.3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	218	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2

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

Other properties	Value	Unit	Test Standard
Humidity absorption	0.45	%	Sim. to ISO 62
Density	1060	kg/m ³	ISO 1183
Biobased content	100	%	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Barrier Properties

Certifications

Contains renewable resources

Applications

Automotive, Electrical and Electronical, Sports Equipment

Regional Availability

Asia Pacific