

# AURUM® PL500A

Thermoplastic Polyimide

Mitsui Chemicals, Inc.

## Message:

### Features

Non Reinforced/Filled

Excellent Cleanness (Low Outgassing, Low Level Impurities)

Excellent Extrusion Performance (Suitable for Film Manufacturing, Cable Coating)

General Information			
Features	The degassing effect is low to no Pure/High Purity		
Uses	Films Cable sheath		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			Internal method
Flow	0.74	%	Internal method
Transverse flow	0.85	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	92.0	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	136	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	235	°C	ASTM D648
Linear thermal expansion coefficient			ASTM D696
Flow	5.5E-5	cm/cm/°C	ASTM D696
Lateral	5.5E-5	cm/cm/°C	ASTM D696

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# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

