

AURUM® PI-PA

Thermoplastic Polyimide

Mitsui Chemicals, Inc.

Message:

AURUM ® PIPA exhibits a glass transition temperature of 258°C and has higher heat resistance than that of the standard AURUM ® resins (glass transition temperature: 250°C).

AURUM ® PI-PA shows better extrudability than that of the standard AURUM ® resins and is suitable for the manufacture of stock shapes.

Because of its low rate of crystallization, AURUM ® PI-PA is practically non-crystalline.

General Information		
Features	Good Heat Resistance	
Forms	Particle	
Processing Method	Injection molding	
Physical	Nominal Value	Unit
Melt Mass-Flow Rate (MFR) (400°C/1.05 kg)	8.0	g/10 min
Mechanical	Nominal Value	Unit
Tensile Strength	95.0	MPa
Tensile Elongation (Break)	82	%
Flexural Modulus	3030	MPa
Thermal	Nominal Value	Unit
Glass Transition Temperature	258	°C
Melting Temperature	380	°C
Peak Crystallization Temperature (DSC)	320	°C
Additional Information	Nominal Value	
Crystallization Rate - (t1/2min)	100	
Injection	Nominal Value	Unit
Processing (Melt) Temp	380 - 420	°C
Mold Temperature	180 - 200	°C

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