

AURUM® PL450C

Thermoplastic Polyimide

Mitsui Chemicals, Inc.

Message:

Features
Non Reinforced/Filled
Excellent Cleanness (Low Outgassing, Low Level Impurities)

General Information			
UL YellowCard	E52579-242963		
Features	The degassing effect is low to no Pure/High Purity		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	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)	90	%	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	137	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	230	°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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