

# AURUM® JCL3030

Thermoplastic Polyimide

Mitsui Chemicals, Inc.

## Message:

### FEATURES

Carbon Fiber Reinforced, Wear Resistance

High Strength, High Modulus

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	High strength		
	Good wear resistance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			Internal method
Flow	0.0	%	Internal method
Transverse flow	0.66	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	234	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	21500	MPa	ASTM D790
Flexural Strength	340	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)	246	°C	ASTM D648
Linear thermal expansion coefficient			ASTM D696
Flow	6.0E-6	cm/cm/°C	ASTM D696
Lateral	4.7E-5	cm/cm/°C	ASTM D696

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