


MITSUI CHEMICALS, INC.
<http://www.mitsuichem.com>

Shiodome City Center 1-5-2, Higashi-Shimbashi, Minato-ku, Tokyo 105-7117, Japan

AURUM® JCL3030

● FEATURES

Carbon Fiber Reinforced, Wear Resistance

High Strength, High Modulus

Limiting PV Value = 735 MPa/m-min (Lubricated)、196 MPa/m-min (non lubricated)

● TYPICAL PROPERTIES

ITEM	TEST METHOD	UNIT	VALUE	
Physical Properties				
S.G.	ASTM D 792	—	1.42	
Mold Shrinkage (MD/TD)	MCI Method	%	0.00/0.66	
Mechanical Properties				
Tensile Strength	ASTM D 638	MPa	234	
Tensile Elongation	ASTM D 638	%	2	
Flexural Strength	ASTM D 790	MPa	340	
Flexural Modulus	ASTM D 790	GPa	21.5	
IZOD Impact Strength	ASTM D 256	J/m	116	
Thermal Properties				
H.D.T. @ 1.82MPa	ASTM D 648	°C	246	
C.L.T.E. (MD/TD)	ASTM D 696	10 ⁻⁵ /K	0.6/4.7	

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