


MITSUI CHEMICALS, INC.
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AURUM® JCN3030

- FEATURES**

Carbon Fiber Reinforced

High Strength (Intensity ratio is approximately 1.4 times the aluminum alloy), high modulus

- TYPICAL PROPERTIES**

ITEM	TEST METHOD	UNIT	VALUE	
Physical Properties				
S.G.	ASTM D 792	—	1.43	
Mold Shrinkage (MD/TD)	MCI Method	%	0.00/0.66	
Mechanical Properties				
Tensile Strength	ASTM D 638	MPa	252	
Tensile Elongation	ASTM D 638	%	2	
Flexural Strength	ASTM D 790	MPa	360	
Flexural Modulus	ASTM D 790	GPa	22.5	
IZOD Impact Strength	ASTM D 256	J/m	116	
Thermal Properties				
HDT @ 1.82MPa	ASTM D 648	°C	246	
C.L.T.E. (MD/TD)	ASTM D 696	10 ⁻⁵ /K	0.6/4.7	

改定 2010.08.12