

AURUM™ JCL3030

Thermoplastic Polyimide Compound

AURUM™ JCL3030 is a 30% CF reinforced and lubricated grade which is suitable for wear friction application like bearing and washer.

General Properties	Typical value	Unit	Test method
Specific gravity	1.42	-	ASTM D792
MFR, 420°C-10kgf	35	g/10min	ASTM D1238
Mold shrinkage (MD/TD)	0 / 0.7	%	Mitsui chemical method

Mechanical Properties	Typical value	Unit	Test method
Tensile strength	240	MPa	ASTM D638
Elongation at brake	2	%	ASTM D638
Flexural strength	340	MPa	ASTM D790
Flexural modulus	21	GPa	ASTM D790
Izod impact strength	130	J/m	ASTM D256

Thermal properties	Typical value	Unit	Test method
HDT	245	°C	ASTM D648
CLTE (MD/TD)	0.6 / 4.7	10 ⁻⁵ /°C	ASTM D696