

AURUM™ JCL3010

Thermoplastic Polyimide Compound

AURUM™ JCL3010 is a 10% CF reinforced and grade which is suitable for wear friction application like seal rings.

General Properties	Typical value	Unit	Test method
Specific gravity	1.35	-	ASTM D792
MFR, 420°C-2.16kgf	17	g/10min	ASTM D1238
Mold shrinkage (MD/TD)	-	%	Mitsui chemical method

Mechanical Properties	Typical value	Unit	Test method
Tensile strength	175	MPa	ASTM D638
Elongation at brake	3	%	ASTM D638
Flexural strength	250	MPa	ASTM D790
Flexural modulus	10	GPa	ASTM D790
Izod impact strength	100	J/m	ASTM D256

Thermal properties	Typical value	Unit	Test method
HDT	243	°C	ASTM D648
CLTE (MD/TD)	0.8 / 4.7	10 ⁻⁵ /°C	ASTM D696