

AURUM™ JCF3030

Thermoplastic Polyimide Compound

AURUM™ JCF3030 is a 15% CF reinforced and PTFE lubricated grade which is suitable for wear friction application like seal rings.

General Properties	Typical value	Unit	Test method
Specific gravity	1.45	-	ASTM D792
MFR, 420°C-10kgf	30	g/10min	ASTM D1238
Mold shrinkage (MD/TD)	0 / 0.7	%	Mitsui chemical method

Mechanical Properties	Typical value	Unit	Test method
Tensile strength	195	MPa	ASTM D638
Elongation at brake	5	%	ASTM D638
Flexural strength	270	MPa	ASTM D790
Flexural modulus	14	GPa	ASTM D790
Izod impact strength	110	J/m	ASTM D256

Thermal properties	Typical value	Unit	Test method
HDT	244	°C	ASTM D648
CLTE (MD/TD)	0.3 / 4.5	10 ⁻⁵ /°C	ASTM D696