

AURUM™ JNF3020

Thermoplastic Polyimide Compound

AURUM™ JNF3020 is a 20% PTFE filled grade.
This grade is suitable for wear resistant applications.

General Properties	Typical value	Unit	Test method
Specific gravity	1.43	-	ASTM D792
MFR, 400°C-2.16kgf	8	g/10min	ASTM D1238
Mold shrinkage (MD/TD)	0.8 / 1.2	%	Mitsui chemical method

Mechanical Properties	Typical value	Unit	Test method
Tensile strength	65	MPa	ASTM D638
Elongation at brake	10	%	ASTM D638
Flexural strength	100	MPa	ASTM D790
Flexural modulus	3	GPa	ASTM D790
Izod impact strength	80	J/m	ASTM D256

Thermal properties	Typical value	Unit	Test method
HDT	225	°C	ASTM D648
CLTE (MD/TD)	5.0 / 5.2	10 ⁻⁵ /°C	ASTM D696

AURUM™ JNF3020

Thermoplastic Polyimide Compound

Injection molding condition

Drying temperature	200	°C
Drying time	> 5	h
Temperature setting	80	°C
Cylinder 1	390-400	°C
Cylinder 2	400-410	°C
Cylinder 3	400-410	°C
Nozzle Temperature	400-410	°C
Mold Temperature	180-200	°C