

AURUM™ JQF3030

Thermoplastic Polyimide Compound

AURUM™ JQF3030 is a graphite reinforced and PTFE lubricated grade. This grade is suitable for abradable seals of turbocharger.

General Properties	Typical value	Unit	Test method
Specific gravity	1.50	-	ASTM D792
MFR, 420°C-2.16kgf	6	g/10min	ASTM D1238
Mold shrinkage (MD/TD)	0.3/0.9	%	Mitsui chemical method

Mechanical Properties	Typical value	Unit	Test method
Tensile strength	80	MPa	ASTM D638
Elongation at brake	3	%	ASTM D638
Flexural strength	110	MPa	ASTM D790
Flexural modulus	7	GPa	ASTM D790
Izod impact strength	50	J/m	ASTM D256

Thermal properties	Typical value	Unit	Test method
HDT	239	°C	ASTM D648
CLTE (MD/TD)	2.0 / 3.2	10 ⁻⁵ /°C	ASTM D696