

AURUMTM **JCL3030** Thermoplastic Polyimide Compound

AURUMTM 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 |

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