

Arnitel® ID 2060-HT

TPC

3D printing grade, 100% Recyclable, for High Temperature Applications

Print Date: 2019-11-16



Upper figure: Flat X-X Direction

Lower figure: Flat Y-X Direction

| Properties | Typical Data | Unit | Test Method |
|---|--------------|--------------|----------------|
| Mechanical properties | | Value | |
| Tensile modulus (3D printed: flat X-X direction) | 230 | MPa | ISO 527-1/-2 |
| Stress at break (3D printed: flat X-X direction) | 21 | MPa | ISO 527-1/-2 |
| Strain at break (3D printed: flat X-X direction) | 245 | % | ISO 527-1/-2 |
| Tensile modulus (3D printed: on-edge X-Z direction) | 240 | MPa | ISO 527-1/-2 |
| Stress at break (3D printed: on-edge X-Z direction) | 35 | MPa | ISO 527-1/-2 |
| Strain at break (3D printed: on-edge X-Z direction) | 510 | % | ISO 527-1/-2 |
| Tensile modulus (3D printed: upright Z direction) | 220 | MPa | ISO 527-1/-2 |
| Stress at break (3D printed: upright Z direction) | 20 | MPa | ISO 527-1/-2 |
| Strain at break (3D printed: upright Z direction) | 55 | % | ISO 527-1/-2 |
| Thermal properties | | Value | |
| Melting temperature (10°C/min) | 208 | °C | ISO 11357-1/-3 |
| Glass transition temperature (10°C/min) | -10 | °C | ISO 11357-1/-2 |
| Vicat softening temperature (50°C/h 10N) | 190 | °C | ISO 306 |
| Vicat softening temperature (50°C/h 50N) | 90 | °C | ISO 306 |

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Property Data (Provisional)

Arnitel[®] ID 2060-HT

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| Properties | Typical Data | Unit | Test Method |
|-------------------------------------|--------------|-------------------|----------------|
| Other properties | | | |
| Humidity absorption | 0.1 | % | Sim. to ISO 62 |
| Density | 1270 | kg/m ³ | ISO 1183 |
| Material specific properties | | | |
| Shore D Hardness (3s) | 61 | - | ISO 868 |

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