



# Addigy<sup>®</sup> F2060 HT

Fused Filament Fabrication



**Addigy® F2060 HT** is a high-performance Thermoplastic Copolyester (TPC) for 3D printing using Fused Filament Fabrication (FFF). This filament is the first to offer a unique balance of flexibility, chemical resistance against exhaust gas recirculation (EGR) condensate and prolonged high temperature resistance.

This combination makes it suitable to print cold charge air ducts for demanding automotive under the hood applications as well as components for end-of-arm tooling. Parts printed can resist sustained high-temperature of 175°C (1,000 hrs) or 190°C (500 hrs) and chemicals such as EGR condensate.

#### Key Benefits

- First high temperature TPC filament on the market
- A unique balance of flexibility, sustained high temperature and chemical resistance
- Prolonged high temperature performance: 175°C (1,000 hrs), 190°C (500 hrs)
- Excellent chemical resistance against EGR condensates
- Hardness of Shore D 61

#### Ideal Applications

- Air-fuel management systems, engine shields and covers for automotive
- Shutter system and front-end module components for automotive
- Gaskets and seals for automotive
- Aluminium & rubber replacement for light weighting applications in automotive under the hood
- End-of-arm tooling
- Tubes for home appliances

**Addigy® F2060 HT** is available in spools of 1.75 and 2.85 mm.

## Technical Data

Material Specific Properties	Value	Unit	Test Method
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

Mechanical properties (TPE)	Value	Unit	Test Method
Shore A Hardness (3s)	98	–	ISO 868
Shore D Hardness (3s)	61	–	ISO 868

These values may vary and depend on individual machine processing and post-curing practices.

[More information at am.covestro.com](https://www.am.covestro.com)



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<sup>1</sup>Please see the "Guidance on Use of Covestro Products in a Medical Application" document.  
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