



“ The PC/ABS FR material looks very promising and we would like to use it in the future for electronic enclosures in fire protection class EN45545-2 R26 (UL 94 V-0), also because it is available in two different filament diameters. ”

— Patrick Klein, ÖBB

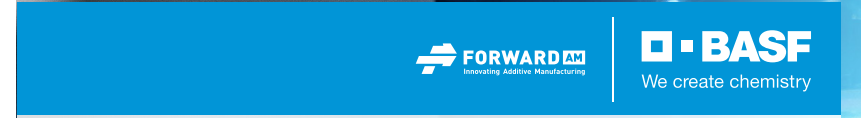


Get more information about the Ultrafuse® Filament Railway Portfolio



Speyerer Straße 4
69115 Heidelberg,
Germany

+49 6221 67417 900
sales@basf-3dps.com
forward-am.com



3D Printing for Railway

Discover materials perfectly adapted and classified for railway applications



Specialized materials for high-performance applications

Forward AM's specialized Ultrafuse® filaments are formulated for the tough requirements of railway applications. Perfectly adapted for easy printing while also exhibiting superior mechanical properties, the Ultrafuse® Railway portfolio of filaments are ideal for prototyping and end-use parts. Ultrafuse® filaments are the affordable solution classified for railway applications. Compatible with a wide range of FFF printers, producing end-use parts for the stringent transportation sector no longer requires major investment. Discover the portfolio of railway classified materials from BASF Forward AM.

A complete solution for railway applications

1 Classified Materials

- Specially formulated for demanding applications
- Tested according to EN 45545-2 at 1.5mm & 3mm thickness



[Classification overview](#)

2 First time right

- Validated print profiles enable an easy start and ensure your print's success with less waste
- Print with confidence with user-friendly printing settings

3 Proven Printer Compatibility

- Available in 1.75mm & 2.85mm diameter
- Get a complete solution tested on a wide range of FFF printers

INTAMSYS

RAISE3D

BCN3D

UltiMaker

and many more...



Ultrafuse® PPSU

- HL1-3 R26, R24, R23; HL1-2 R7 (1.5mm)
- HL1-3, R26, R24, R23, R7 (3mm)
- Inherently flame retardant
- Resistant to oil, grease, fuel, hot water, and coolants



Ultrafuse® PC GF30

- HL1-3 R26, R24, R23; R22
- High dimensional stability
- Good temperature resistance and high stiffness and strength
- Very low moisture absorption



Ultrafuse® PC/ABS FR

- HL1-3 R26
- UL 94 V-0 flame retardant
- Easy to print, high print speed possible



Ultrafuse® 316L & 17-4 PH

- Easy and affordable metal 3D printing
- Compatible with all open source FFF printers
- Low TCO