

Press Release

July 3, 2023

BASF Forward AM Renews Commitment to Understanding and Addressing the Impact of Additive Manufacturing on the Environment

Pledges to offer the most Life Cycle Assessments and Carbon Compensated Materials within Additive Manufacturing by the end of 2023 while continuing to implement carbon reduction programs

In Q4 of 2022, BASF Forward AM launched #ProjectZero to mark the start of a long-term commitment to reducing our impact on the planet. This comprehensive program includes the continuing development of sustainable products, solutions, and production methods as well as the utilization of Life Cycle Assessments (LCA) which are designed to understand and better communicate the ecological effects the 3D printing industry has on the planet. By proactively measuring our environmental impact through LCAs, we can reduce our carbon footprint and offset what cannot be eliminated through our Carbon Compensation (CC) program.

With unwavering support from Forward AM's leadership, this program has evolved the way we work through the education and encouragement of our team to make responsible choices. We are methodically working to both better understand the environmental impact of our materials as they are developed and produced as well as to identify the way they are being used by consumers. By providing this detailed

BASF 3D Printing Solutions GmbH
Speyerer Straße 4, 69115 Heidelberg
Germany

Phone: +49 6221 67417-900
E-Mail: sales@basf-3dps.com
Web: www.forward-am.com

Registered Office:
69115 Heidelberg
Germany

Commercial Register:
Amtsgericht Mannheim
HRB 728371

Managing Director:
Martin Back

information to our customers, they can make more sustainable choices for their businesses as well as reduce their carbon footprint.

» **Life Cycle Assessments (LCA)** – A Life Cycle Assessment is a study that calculates the environmental impacts that are associated with every step of the production of a product. We at Forward AM take sustainability very seriously and provide as much transparency as possible for both our customers and the Additive Manufacturing (AM) industry at large. We currently offer LCAs for HP 3D High Reusability PP, Ultrasint® PA11, TPU01, TPU 88A, PP 1400 Black and are working to add ten more by the end of 2023. This total of 15 LCAs would be the highest number offered by any material supplier within the 3D printing business.

This means Forward AM will provide a detailed report of the material, energy, and other resources that are being used over a product's life span. These data points are gathered across the product's industry value chain and later cumulated into an emission score.

» **Carbon Compensation** – BASF Forward AM launched the Carbon Compensation (CC) program to counterbalance what we cannot reduce to go full circle as responsible environmental stewards. This program is a very useful tool which can be utilized to reduce carbon emissions in the short-term while efforts to transition to renewable energy and overall emission reductions are being made.

We offer Carbon Compensation for our PP line of materials, which includes HP 3D High Reusability PP and PP 1400 Black, as well as Ultrasint® TPU01, TPU 88A, TPU 88A Black and will be increasing the number of materials in this program by the end of 2023 for a total of 12. This increase in the products encompassed in this program will continue to finance projects that result in long-term carbon capture, which will then balance out the unavoidable emissions that are created during the manufacturing process of our materials.

Forward AM Aligns with UN Sustainable Development Goals

In May of this year, Martin Back, CEO and Managing Director of Forward AM, signed a letter to express our commitment to the UN's Sustainable Development Goals. "As a

global leader in advanced materials and 3D printing solutions, we recognize the importance of working towards a sustainable future for all. Forward AM is dedicated to reducing waste throughout our supply chain, minimizing our carbon footprint as well as to continue promoting social responsibility by ensuring fair labor practices and supporting local communities,” Back said. “Our innovative work and collaboration with other like-minded organizations will lead to meaningful progress towards these shared goals as the only way forward is together.”

About BASF 3D Printing Solutions

BASF 3D Printing Solutions GmbH, headquartered in Heidelberg, Germany, is a 100% subsidiary of BASF New Business GmbH. It focuses on establishing and expanding the business under the Forward AM brand with advanced materials, system solutions, components and services in the field of 3D printing. BASF 3D Printing Solutions is organized into startup-like structures to serve customers in the dynamic 3D printing market. It cooperates closely with the global research platforms and application technologies of various departments at BASF and with research institutes, universities, startups and industrial partners. Potential customers are primarily companies that intend to use 3D printing for industrial manufacturing. Typical industries include automotive, aerospace and consumer goods. For further information please visit: www.forward-am.com.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 111,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €87.3 billion in 2022. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at www.basf.com.